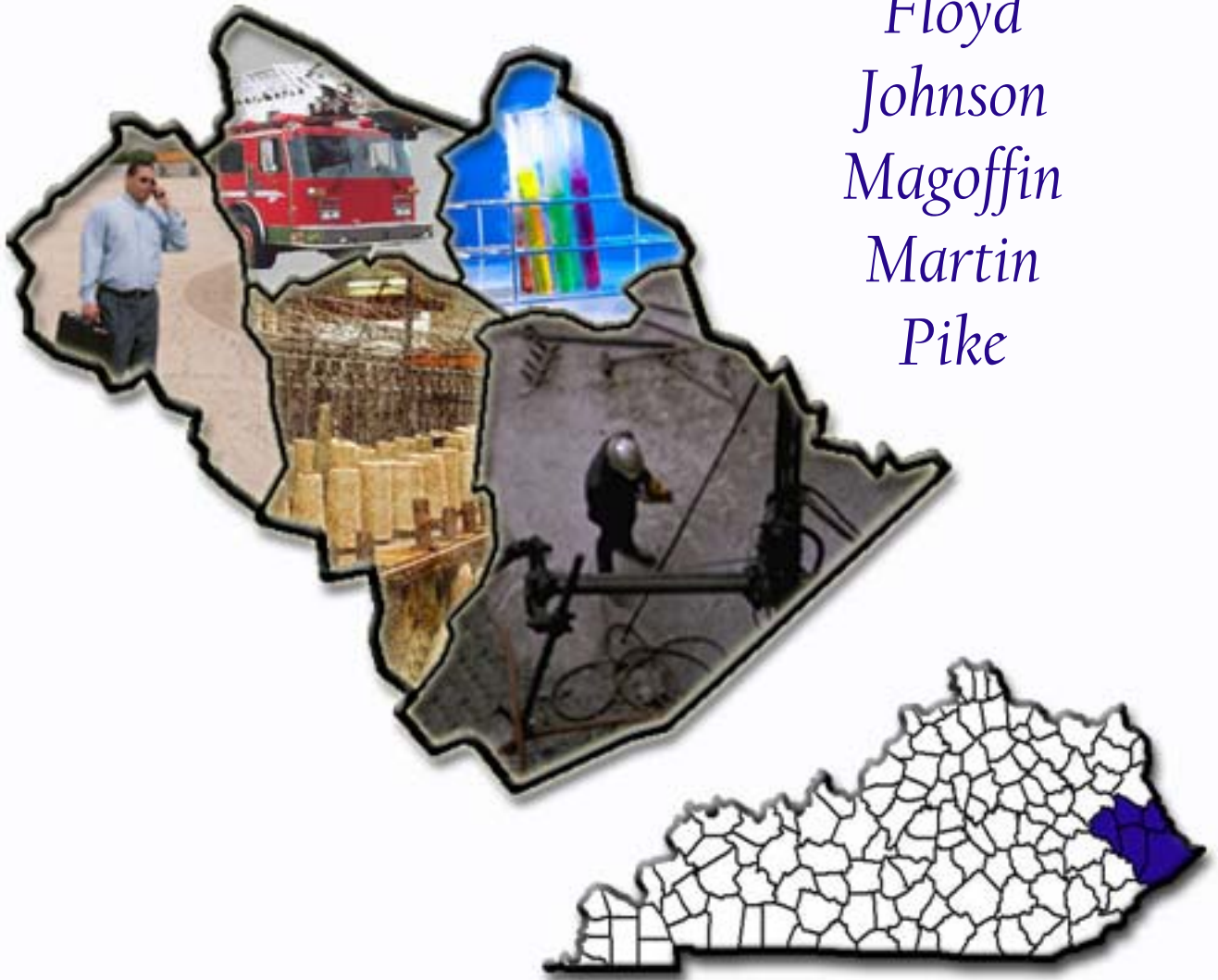


# Big Sandy Area Occupational Outlook to 2010

*Floyd  
Johnson  
Magoffin  
Martin  
Pike*



**Education Cabinet**  
Department for Employment Services  
Frankfort, Kentucky 40621

# **BIG SANDY AREA OCCUPATIONAL OUTLOOK TO 2010**

ERNIE FLETCHER, GOVERNOR

VIRGINIA G. FOX, SECRETARY  
EDUCATION CABINET

James F. Thompson, Commissioner  
Department for Employment Services

Ken M. Kilkelly, Director  
DeDe T. Conner, Assistant Director  
Administration and Financial Management Division

**A LABOR MARKET INFORMATION PUBLICATION BY:**

## **RESEARCH AND STATISTICS BRANCH**

Carlos Cracraft, Manager

Lelia Todd, Supervisor  
Occupational Employment Statistics Unit

Patricia Dobbins,  
Labor Market Analyst



January 2004

Education Cabinet--Equal Education and Employment Opportunities M/F/D

Printed with government funds

## PREFACE

The Labor Market Information in this publication is based on a large array of labor market statistics collected and developed by the staff of the Research and Statistics (R&S) Branch in the Kentucky Department for Employment Services. The Labor Market Information (LMI) Section within R&S developed the projections and this publication.

The Kentucky Occupational Employment Statistics (OES) survey of Kentucky employers provided the occupational employment data used in the study. This is a statewide survey of approximately 20,000 employers, over a three-year period, representing the various industries in Kentucky. The employment data used to project industries to the year 2010 were based on the Current Employment Statistic (CES) and the Employment and Earnings (ES-202) programs. The projected total growth in each Area Development District (ADD) was based on employment data from 1971 through 2000 developed from the Local Area Unemployment Statistics (LAUS) program. Data from all of the above programs were used to develop the occupational outlook to 2010 publications for each Area Development Districts listed below:

|                               |   |
|-------------------------------|---|
| ADD 1-Purchase Area           | ADD 8&9-Buffalo Trace and Gateway Areas |
| ADD 2-Pennyriple Area         | ADD 10-FIVCO Area                       |
| ADD 3-Green River Area        | ADD 11-Big Sandy Area                   |
| ADD 4-Barren River Area       | ADD 12-Kentucky River Area              |
| ADD 5-Lincoln Trail Area      | ADD 13-Cumberland Valley Area           |
| ADD 6-Louisville (KIPDA) Area | ADD 14-Lake Cumberland Area             |
| ADD 7-Northern Kentucky Area  | ADD 15-Bluegrass Area                   |

The projections and this publication are funded by the U.S. Department of Labor (USDOL), Employment and Training Administration. The national industry and occupational projections developed by the U. S. Department of Labor's Bureau of Labor Statistics were used in the process to project Kentucky's industries and occupations. The Bureau of Labor Statistics and the U.S. Department of Commerce, Bureau of Economic Analysis provided additional statistics necessary in the projection process. The Utah Department of Economic Security developed the personal computer-based model used for the occupational projections. Special thanks go to the Kentucky employers who completed the questionnaires that provided the employment information necessary for this effort.

Questions, comments or requests for copies may be addressed to:

Kentucky Department for Employment Services  
Education Cabinet  
Research and Statistics Branch  
Labor Market Information  
CHR Building 2WG  
275 East Main Street  
Frankfort, Kentucky 40621

Material in this publication is in the public domain and with appropriate credit may be reproduced without permission. Please reference: "Kentucky Department for Employment Services, Labor Market Information."

## TABLE OF CONTENTS

|  | PAGE |
|--|------|
| PREFACE .....  | i    |
| INTRODUCTION .....   | 1    |
| HIGHLIGHTS .....   | 2    |
| A USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS .....            | 3    |
| MOST ANNUAL JOB OPENINGS IN AREA .....                             | 4    |
| FASTEST GROWING AREA OCCUPATIONS .....                             | 6    |
| EXPLANATION OF DATA ELEMENTS ON THE OCCUPATIONAL OUTLOOK TABLE ... | 8    |
| AREA OUTLOOK EMPLOYMENT AND JOB OPENINGS TABLE .....               | 9    |
| EDUCATION CLASSIFICATION .....                                     | 32   |
| ALPHABETICAL INDEX OF OCCUPATIONS .....                            | 33   |

## INTRODUCTION

Which jobs will be in demand in the Big Sandy Area from now until the year 2010? Which occupations will provide the most job openings each year through 2010? Which occupations are likely to grow the fastest and which are likely to decline from 2000 to 2010? The *Big Sandy Area Occupational Outlook to 2010* offers some insight into these often asked questions. Students, job seekers, counselors and others should find this report helpful.

This report contains highlights and a user's guide to occupational statistics that provide answers to frequently asked questions regarding the statistics. Also included are tables of the top 45 Big Sandy Area occupations with the most annual job openings and the 44 fastest-growing Big Sandy Area occupations. The Big Sandy Area Occupational Employment Outlook and Job Openings tables beginning on page 9 provides occupational employment projections for a variety of occupations. This table also presents, for each of these occupations, the number and percentage of expected change in employment and the average number of annual job openings for the period of 2000 to 2010.

While this study provides projections of occupational trends and job openings in the Big Sandy Area, it should be stressed that the estimates are subject to the limitations that are a part of any effort to determine future conditions. It is impossible to predict what the Big Sandy Area will look like in 2010. The projections of long-term trends into the future, however, should provide valuable insight into the likely magnitude of occupational growth or decline in the area. The projections have been carefully prepared using accepted methods within a framework of national, state and area assumptions. They will be modified in future publications if long-term changes occur in the area's economic outlook or as more current information becomes available.

The estimates in this report reflect only the demand for labor from 2000 through 2010. The supply, or the number of educated or trained workers available to fill future job openings, is beyond the scope of this report.

With a projected tighter labor market resulting from Kentucky's labor force growing more slowly than employment, along with the structural and technological changes that are taking place in all industries, the development and utilization of our human resources have become a top priority for all those concerned with employment training. Education and training programs that can meet the needs of employers today and in the future will take on even greater importance. To meet this challenge, it is crucial that education and training planners, business, labor, government and job seekers have the necessary occupational information to assist them in making informed, intelligent decisions in the development of these education and training programs as well as individual career choice. This publication was designed to assist users in these tasks.

**NOTE:** These 2000-2010 projections use the new Standard Occupational Classification (SOC) system, while prior versions of projections used the Occupational Employment Statistics (OES) codes for classifying occupations. Because of this change, the titles and content of major occupational groups and many detailed occupations are substantially different. Several major groups have been renamed, combined, or reorganized. Some individual occupations also have been renamed or classified within different major groups. Some occupations are no longer listed, while newer occupations are listed for the first time with the SOC system. Because of these changes, the 2000-2010 projections are not comparable with earlier sets of projections. Information of the SOC system can be obtained at the U.S. Bureau of Labor Statistics SOC Home Page at <http://www.bls.gov/soc/home.htm>.

## HIGHLIGHTS

- ✓ Big Sandy Area employment is expected to grow from 53,513 to 57,776 between 2000 and 2010, a gain of 8.0 percent.
- ✓ Between 2000 and 2010, the total annual job openings are expected to be about 1,737.
- ✓ Growth in employment will make available about 426 job openings annually.
- ✓ Approximately 1,311 job openings will result from separations from the labor force due to retirement or those who transfer to other jobs.
- ✓ Approximately 25 percent of job openings will result from growth, and the remaining 75 percent will result from separations from the labor force.
- ✓ The greatest number of job openings will be in the Sales and Related Occupations (234), followed by the Healthcare Practitioners and Technical Occupations (212), and the Office and Administrative Support Occupations (186).
- ✓ Particular Occupations with the largest percentage of change from 2000 to 2010 in the Big Sandy Area are Network and Computer Systems Administrators (102%), Medical and Public Health Social Workers (74%), Computer Support Specialists (69%) and Home Health Aides (68%).
- ✓ The largest growth rates between 2000 and 2010 are expected to be in the Computer and Mathematical Occupations (71%), the Healthcare Practitioners and Technical Occupations (33%), and the Healthcare Support Occupations (32%).
- ✓ The top two Big Sandy Area occupations with the most annual job openings are Cashiers (105) and Retail Salespersons (84).

## A USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS

***When looking at an occupation, what key outlook data should you review?***

- 1) Total average annual job openings and
- 2) Employment change expressed as a percentage

The total number of job openings estimates the likely annual demand for workers in each occupation. The percentage of employment change shows how much each occupation is likely to grow or decline.

***What creates job openings?***

- 1) Employment growth (new jobs)
- 2) Employment separations (job vacancies created by persons separating from an occupation)

***What causes employment change?***

*Industrial growth or decline* has the greatest influence on employment change. Industrial growth occurs when the demand for goods and services rises and, in turn, the demand for workers to produce those goods and services rises.

*Technological change* can raise the demand for some skills while eliminating the need for others. As this shift is going on, demand in the industry as a whole may be rising or falling.

*New ways of doing business* such as self-service, out-sourcing, or 24-hour operations can affect employment change.

***Then what about employment separations?***

Employment separations are still important when evaluating an occupation's potential outlook. Job openings are created by persons separating from an occupation because of retirements, promotions into different occupations, career changes, or deaths. In many instances, the number of employment separations exceeds new jobs.

***Do workers tend to leave one occupation more than another?***

Every occupation has a different rate of employment separations. Those occupations that require much education and training and/or have a high percentage of full-time workers tend to have low separation rates. But occupations that require little education and/or training tend to have higher separation rates.

***What factors affect the number of job openings for an occupation?***

- 1) The overall size of the occupation: How many workers are employed already?
- 2) The occupation's separation rate: How many job vacancies are created from workers separating from the occupation?
- 3) The occupation's rate of change: How fast is it growing or declining?

***Which factor is more important?***

Size of employment and separation rate are more important than rate of change in affecting the number of job openings.

***What is the best way to compare one occupation with another?***

- 1) Look at the total average annual job openings, not just openings resulting from growth. A large number of openings means it should be relatively easy to find a job in that occupation.
- 2) Look at the employment change expressed as a percentage. A high percentage increase in employment means that there may be excellent chances for advancement and for earnings increases because demand is likely to remain strong for some time.

**Top 45**  
**Big Sandy Area Occupations With The Most Annual Job Openings**

| Occupation<br>Code  | Occupational Title                            | Job Openings                |        |             |       |
|---|---|-----------------------------|--------|-------------|-------|
|   |   | Average Annual<br>2000-2010 | Growth | Separations | Total |
| <b><u>Management Occupations</u></b>  |   |                             |        |             |       |
| 11-1021   | General and Operations Managers               | 5                           | 17     | 22          |       |
| <b><u>Community and Social Services Occupations</u></b>                       |   |                             |        |             |       |
| 21-1021   | Child, Family, and School Social Workers      | 9                           | 4      | 13          |       |
| 21-1022   | Medical and Public Health Social Workers      | 10                          | 2      | 12          |       |
| <b><u>Education, Training, and Library Occupations</u></b>                    |   |                             |        |             |       |
| 25-2021   | Elementary School Teachers, Ex. Special Ed.   | 3                           | 17     | 20          |       |
| 25-2031   | Sec. School Teachers, Ex. Special & Voc. Ed.  | 5                           | 15     | 20          |       |
| <b><u>Arts, Design, Entertainment, Sports &amp; Media<br/>Occupations</u></b> |   |                             |        |             |       |
| 27-2042   | Musicians and Singers                         | 5                           | 7      | 12          |       |
| <b><u>Healthcare Practitioners &amp; Technical Occs</u></b>                   |   |                             |        |             |       |
| 29-1111   | Registered Nurses                             | 51                          | 23     | 74          |       |
| 29-2061   | Licensed Practical & Vocational Nurses        | 3                           | 9      | 12          |       |
| 29-2041   | Emergency Medical Technicians & Paramedics    | 5                           | 6      | 11          |       |
| 29-1051   | Pharmacists                                   | 2                           | 8      | 10          |       |
| <b><u>Healthcare Support Occupations</u></b>                                  |   |                             |        |             |       |
| 31-9092   | Medical Assistants                            | 17                          | 12     | 29          |       |
| 31-1012   | Nursing Aides, Orderlies, and Attendants      | 11                          | 9      | 20          |       |
| 31-1011   | Home Health Aides                             | 16                          | 3      | 19          |       |
| <b><u>Protective Service Occupations</u></b>                                  |   |                             |        |             |       |
| 33-9032   | Security Guards                               | 7                           | 12     | 19          |       |
| 33-3051   | Police and Sheriff's Patrol Officers          | 6                           | 4      | 10          |       |
| <b><u>Food Preparation &amp; Serving Related<br/>Occupations</u></b>          |   |                             |        |             |       |
| 35-2011   | Cooks, Fast Food                              | 0                           | 33     | 33          |       |
| 35-3021   | Combined Food Prep. and Serving Workers       | 9                           | 21     | 30          |       |
| 35-2021   | Food Preparation Workers                      | 2                           | 15     | 17          |       |
| 35-2012   | Cooks, Institution and Cafeteria              | 0                           | 15     | 15          |       |
| 35-3031   | Waiters and Waitresses                        | 3                           | 11     | 14          |       |
| <b><u>Building, Grounds Cleaning &amp; Maintenance<br/>Occupations</u></b>    |   |                             |        |             |       |
| 37-2012   | Maids and Housekeeping Cleaners               | 10                          | 15     | 25          |       |
| 37-2011   | Janitors & Cleaners, Ex. Maids & Housekeeping | 3                           | 15     | 18          |       |



**Top 45**  
**Big Sandy Area Occupations With The Most Annual Job Openings (cont'd)**

| Occupation<br>Code   | Occupational Title                               | Job Openings   |             |            |
|--|--|----------------|-------------|------------|
|  |  | Average Annual |             |            |
|  |  | 2000-2010      |             |            |
|  |  | Growth         | Separations | Total      |
| <b><u>Sales and Related Occupations</u></b>                      |  |                |             |            |
| 41-2011  | Cashiers   | 11             | 94          | <b>105</b> |
| 41-2031  | Retail Salespersons                              | 28             | 56          | <b>84</b>  |
| 41-1011  | Supervisors of Retail Sales Workers              | 3              | 12          | <b>15</b>  |
| <b><u>Office and Administrative Support Occupations</u></b>      |  |                |             |            |
| 43-5081  | Stock Clerks and Order Fillers                   | 5              | 20          | <b>25</b>  |
| 43-9061  | Office Clerks, General                           | 5              | 14          | <b>19</b>  |
| 43-3071  | Tellers  | 0              | 18          | <b>18</b>  |
| 43-4171  | Receptionists and Information Clerks             | 8              | 7           | <b>15</b>  |
| 43-3021  | Billing and Posting Clerks & Machine Operators   | 5              | 9           | <b>14</b>  |
| 43-3031  | Bookkeeping, Accounting, and Auditing Clerks     | 0              | 14          | <b>14</b>  |
| 43-6014  | Secretaries, Except Legal, Medical & Executive   | 0              | 14          | <b>14</b>  |
| 43-4051  | Customer Service Representatives                 | 9              | 3           | <b>12</b>  |
| <b><u>Construction and Extraction Occupations</u></b>            |  |                |             |            |
| 47-5081  | Helpers--Extraction Workers                      | 0              | 23          | <b>23</b>  |
| 47-1011  | Supervisors of Construction Trades & Extraction  | 0              | 22          | <b>22</b>  |
| 47-5041  | Continuous Mining Machine Operators              | 0              | 21          | <b>21</b>  |
| 47-5061  | Roof Bolters, Mining                             | 0              | 20          | <b>20</b>  |
| 47-2073  | Operating Engineers & Other Const. Equip. Ops    | 0              | 15          | <b>15</b>  |
| 47-2111  | Electricians                                     | 6              | 7           | <b>13</b>  |
| <b><u>Installation, Maintenance &amp; Repair Occupations</u></b> |  |                |             |            |
| 49-3023  | Automotive Service Technicians and Mechanics     | 8              | 12          | <b>20</b>  |
| 49-9042  | Maintenance and Repair Workers, General          | 0              | 11          | <b>11</b>  |
| <b><u>Production Occupations</u></b>                             |  |                |             |            |
| 51-4121  | Welders, Cutters, Solderers, and Brazers         | 4              | 7           | <b>11</b>  |
| <b><u>Transportation and Material Moving Occupations</u></b>     |  |                |             |            |
| 53-7062  | Laborers, Freight, Stock & Material Movers, Hand | 0              | 27          | <b>27</b>  |
| 53-3032  | Truck Drivers, Heavy and Tractor-Trailer         | 4              | 19          | <b>23</b>  |
| 53-7111  | Shuttle Car Operators                            | 0              | 11          | <b>11</b>  |

**Top 45**  
**Fast-Growing Big Sandy Area Occupations**

| Occupation<br>Code   | Occupational Title                            | Fast Growing Occupations |                   |                     |                      | Total                       |
|--|---|--------------------------|-------------------|---------------------|----------------------|-----------------------------|
|  |   | Employment               |                   | Change              |                      | Job Openings                |
|  |   | Actual<br>2000           | Projected<br>2010 | 2000-2010<br>Number | 2000-2010<br>Percent | Average Annual<br>2000-2010 |
| <b><u>Management Occupations</u></b>                               |   |                          |                   |                     |                      |                             |
| 11-9111  | Medical and Health Services Managers          | 65                       | 94                | 29                  | <b>44.6</b>          | 4                           |
| 11-9021  | Construction Managers                         | 117                      | 164               | 47                  | <b>40.2</b>          | 7                           |
| 11-9141  | Property, Real Estate, Comm. Assn Manager     | 41                       | 52                | 11                  | <b>26.8</b>          | 2                           |
| 11-9051  | Food Service Managers                         | 133                      | 155               | 22                  | <b>16.5</b>          | 4                           |
| <b><u>Computer and Mathematical Occupations</u></b>                |   |                          |                   |                     |                      |                             |
| 15-1071  | Network and Computer Systems Admin.           | 64                       | 129               | 65                  | <b>101.6</b>         | 7                           |
| 15-1041  | Computer Support Specialists                  | 51                       | 86                | 35                  | <b>68.6</b>          | 4                           |
| <b><u>Community and Social Services Occupations</u></b>            |   |                          |                   |                     |                      |                             |
| 21-1022  | Medical and Public Health Social Workers      | 132                      | 230               | 98                  | <b>74.2</b>          | 12                          |
| 21-1093  | Social and Human Service Assistants           | 153                      | 225               | 72                  | <b>47.1</b>          | 9                           |
| 21-1021  | Child, Family, and School Social Workers      | 334                      | 421               | 87                  | <b>26.0</b>          | 13                          |
| 21-1012  | Educational, Vocational & School Counselors   | 85                       | 104               | 19                  | <b>22.4</b>          | 4                           |
| <b><u>Legal Occupations</u></b>                                    |   |                          |                   |                     |                      |                             |
| 23-1011  | Lawyers                                       | 148                      | 180               | 32                  | <b>21.6</b>          | 4                           |
| <b><u>Education, Training, and Library Occupations</u></b>         |   |                          |                   |                     |                      |                             |
| 25-1194  | Vocational Education Teachers, Postsec.       | 177                      | 216               | 39                  | <b>22.0</b>          | 9                           |
| <b><u>Healthcare Practitioners &amp; Technical Occupations</u></b> |   |                          |                   |                     |                      |                             |
| 29-1126  | Respiratory Therapists                        | 46                       | 72                | 26                  | <b>56.5</b>          | 4                           |
| 29-1111  | Registered Nurses                             | 1,126                    | 1,639             | 513                 | <b>45.6</b>          | 74                          |
| 29-2081  | Opticians, Dispensing                         | 135                      | 195               | 60                  | <b>44.4</b>          | 9                           |
| 29-2054  | Respiratory Therapy Technicians               | 54                       | 75                | 21                  | <b>38.9</b>          | 3                           |
| 29-2071  | Medical Records & Health Information Tech.    | 68                       | 92                | 24                  | <b>35.3</b>          | 4                           |
| 29-1127  | Speech-Language Pathologists                  | 61                       | 81                | 20                  | <b>32.8</b>          | 4                           |
| 29-1122  | Occupational Therapists                       | 41                       | 54                | 13                  | <b>31.7</b>          | 2                           |
| 29-2034  | Radiologic Technologists and Technicians      | 89                       | 116               | 27                  | <b>30.3</b>          | 5                           |
| 29-2041  | Emergency Medical Technician & Paramedic      | 241                      | 294               | 53                  | <b>22.0</b>          | 11                          |
| 29-2011  | Medical and Clinical Laboratory Technologists | 76                       | 89                | 13                  | <b>17.1</b>          | 3                           |
| <b><u>Healthcare Support Occupations</u></b>                       |   |                          |                   |                     |                      |                             |
| 31-1011  | Home Health Aides                             | 227                      | 382               | 155                 | <b>68.3</b>          | 19                          |
| 31-9094  | Medical Transcriptionists                     | 41                       | 57                | 16                  | <b>39.0</b>          | 3                           |
| 31-9092  | Medical Assistants                            | 455                      | 625               | 170                 | <b>37.4</b>          | 29                          |

**Top 45**  
**Fast-Growing Big Sandy Area Occupations (cont'd)**

| Occupation<br>Code   | Occupational Title                           | Fast Growing Occupations |                   |                     |             | Total                       |
|--|--|--------------------------|-------------------|---------------------|-------------|-----------------------------|
|  |  | Employment               |                   | Change              |             | Job Openings                |
|  |  | Actual<br>2000           | Projected<br>2010 | 2000-2010<br>Number | Percent     | Average Annual<br>2000-2010 |
| <b><u>Protective Service Occupations</u></b>                               |  |                          |                   |                     |             |                             |
| 33-3012  | Correctional Officers and Jailers            | 48                       | 77                | 29                  | <b>60.4</b> | 4                           |
| 33-3051  | Police and Sheriff's Patrol Officers         | 192                      | 255               | 63                  | <b>32.8</b> | 10                          |
| 33-2011  | Fire Fighters                                | 87                       | 110               | 23                  | <b>26.4</b> | 4                           |
| <b><u>Food Preparation &amp; Serving Related<br/>Occupations</u></b>       |  |                          |                   |                     |             |                             |
| 35-3021  | Combined Food Prep. and Serving Workers      | 335                      | 422               | 87                  | <b>26.0</b> | 30                          |
| <b><u>Building, Grounds Cleaning &amp; Maintenance<br/>Occupations</u></b> |  |                          |                   |                     |             |                             |
| 37-3011  | Landscaping and Groundskeeping Workers       | 189                      | 223               | 34                  | <b>18.0</b> | 8                           |
| <b><u>Personal Care and Service Occupations</u></b>                        |  |                          |                   |                     |             |                             |
| 39-9041  | Residential Advisors                         | 58                       | 70                | 12                  | <b>20.7</b> | 2                           |
| <b><u>Sales and Related Occupations</u></b>                                |  |                          |                   |                     |             |                             |
| 41-2031  | Retail Salespersons                          | 1,468                    | 1,750             | 282                 | <b>19.2</b> | 84                          |
| 41-3011  | Advertising Sales Agents                     | 35                       | 41                | 6                   | <b>17.1</b> | 2                           |
| <b><u>Office and Administrative Support<br/>Occupations</u></b>            |  |                          |                   |                     |             |                             |
| 43-4111  | Interviewers, Except Eligibility and Loan    | 69                       | 97                | 28                  | <b>40.6</b> | 4                           |
| 43-3011  | Bill and Account Collectors                  | 56                       | 74                | 18                  | <b>32.1</b> | 3                           |
| 43-4031  | Court, Municipal, and License Clerks         | 72                       | 95                | 23                  | <b>31.9</b> | 3                           |
| 43-4051  | Customer Service Representatives             | 327                      | 420               | 93                  | <b>28.4</b> | 12                          |
| 43-5031  | Police, Fire, and Ambulance Dispatchers      | 62                       | 79                | 17                  | <b>27.4</b> | 3                           |
| 43-4171  | Receptionists and Information Clerks         | 312                      | 387               | 75                  | <b>24.0</b> | 15                          |
| <b><u>Construction and Extraction Occupations</u></b>                      |  |                          |                   |                     |             |                             |
| 47-2152  | Plumbers, Pipefitters, and Steamfitters      | 39                       | 54                | 15                  | <b>38.5</b> | 3                           |
| 47-2121  | Glaziers                                     | 31                       | 39                | 8                   | <b>25.8</b> | 2                           |
| 47-2051  | Cement Masons and Concrete Finishers         | 36                       | 43                | 7                   | <b>19.4</b> | 1                           |
| 47-2061  | Construction Laborers                        | 309                      | 363               | 54                  | <b>17.5</b> | 8                           |
| <b><u>Installation, Maintenance &amp; Repair<br/>Occupations</u></b>       |  |                          |                   |                     |             |                             |
| 49-9021  | Heating, Air Conditioning & Refrig. Mech.    | 45                       | 58                | 13                  | <b>28.9</b> | 2                           |
| 49-9052  | Telecommunications Line Installer & Repairer | 47                       | 55                | 8                   | <b>17.0</b> | 2                           |

## Explanation of Data Elements on the Occupational Outlook Table

### *Occupational Employment Outlook and Job Openings*

| Occupational  |       | Employment<br>2000      2010   |           | Job Growth<br>2000      2010   |         | Average Annual<br>Job Openings   |             |       | Average<br>Wage   | Education/<br>Training<br>Required *   |
|---|-------|--|-----------|--|---------|--|-------------|-------|---|--|
| Code  | Title | Estimated  | Projected | Number   | Percent | Growth   | Separations | Total | 2001  |  |
| <p>• <b>Occupational Codes and Titles</b> used in this report are based on the <i>Standard Occupational Coding (SOC)</i> Structure.</p> <p><b>NOTE:</b></p> <p><i>Alphabetical listing beginning on page 33 should help locate a specific occupation within the tables.</i></p> |       | <p>• <b>Estimated</b> 2000 employment is based on the <i>Occupational Employment Statistics (OES)</i> Survey of employers.</p> <p>• <b>Projected</b> 2010 levels of occupational employment are based on projections of industry employment and projections of occupational change factors between 2000 and 2010.</p> <p><b>NOTE:</b></p> <p><i>The Occupational employment estimates for 2000 to 2010 include all classes of workers such as public and private, wage and salaried workers; agricultural workers; private household workers; and self-employed.</i></p> |           | <p>• <b>Number</b> - The total number of jobs in an occupation gained or lost over the 2000 to 2010 period.</p> <p>• <b>Percent</b> - Percent change in employment in an occupation over the ten year period.</p> <p><b>NOTE:</b></p> <p><i>In Kentucky, 16.0 percent job growth between 2000 and 2010 is the average growth for all occupations.</i></p> <p><i>An occupation is expected to experience:</i></p> <ol style="list-style-type: none"> <li>1) <i>average growth if percent change is between 12 to 18%;</i></li> <li>2) <i>very fast growth if &gt; 30%;</i></li> <li>3) <i>fast growth if &gt;18% &lt; 30%;</i></li> <li>4) <i>slow growth if &gt;5% &lt;12%;</i></li> <li>5) <i>very slow growth if &gt;0% &lt;5%;</i></li> <li>6) <i>negative or declining growth &lt;0%.</i></li> </ol> |         | <p>• <b>Growth</b> openings provide estimates of the average number of job openings expected to occur each year between 2000 and 2010 that result from employment growth.</p> <p>• <b>Separation</b> openings provide estimates of the average number of job openings expected to occur each year in an occupation, resulting from workers separating or leaving the occupation for such reasons as retirement, promotion, or simply transferring among occupations. Such separations would require replacement workers.</p> <p>• <b>Total</b> openings provide estimates of the total number of job openings expected each year from employment growth or job separations.</p> <p><b>NOTE:</b></p> <p><i>If employment growth is negative, the total number of job openings will equal the number of separations. They are equal because the number of separations already takes into account the negative employment growth.</i></p> |             |       | <p>• <b>Average wage</b> in this report always refers to the 2001 mean average hourly wage.</p> <p><b>NOTE</b></p> <p><i>Average hourly wages for each of the teacher occupations in this report were calculated from the average annual wage by assuming the average working months per year was 9.5 and average hours worked per week was 40.</i></p> | <p>• <b>Education and Training Levels Usually Required</b> were developed by the Bureau of Labor Statistics and grouped into eleven levels (1-11).</p> <p><b>*NOTE</b></p> <p><i>The various levels are described in detail on page 32 of this report.</i></p> |

# Big Sandy Area

## Management Occupations

### Occupational Employment Outlook and Job Openings

| Occupational                   |   | Employment*       |                   | Change              |                      | Job Openings             |             |       | Average Wage<br>2001 | Educ/<br>Training<br>Req'd~ |
|--------------------------------|---|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code                           | Title   | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number | 2000-2010<br>Percent | Average Annual 2000-2010 |             |       |                      |                             |
|                                |   |                   |                   |                     |                      | Growth                   | Separations | Total |                      |                             |
| 00-0000 Total, All Occupations |   | 53,513            | 57,776            | 4,263               | 8.0                  | 426                      | 1,311       | 1,737 | n/a                  | n/a                         |
| 11-0000 Management Occupations |   | 3,516             | 3,749             | 233                 | 6.6                  | 23                       | 61          | 84    | n/a                  | n/a                         |
| 11-1000                        | Top Executives                                  | 1,127             | 1,188             | 61                  | 5.4                  | 6                        | 20          | 26    | n/a                  | n/a                         |
| 11-1011                        | Chief Executives                                | 97                | 105               | 8                   | 8.2                  | 1                        | 3           | 4     | 44.66                | 4                           |
| 11-1021                        | General and Operations Managers                 | 1,030             | 1,083             | 53                  | 5.1                  | 5                        | 17          | 22    | 24.92                | 4                           |
| 11-2000                        | Advertising, Marketing, Promotions, PR & Sales  | 74                | 74                | 0                   | 0.0                  | 0                        | 1           | 1     | n/a                  | n/a                         |
| 11-2020                        | Marketing and Sales Managers                    | 58                | 55                | -3                  | -5.2                 | 0                        | 1           | 1     | n/a                  | n/a                         |
| 11-2022                        | Sales Managers                                  | 48                | 44                | -4                  | -8.3                 | 0                        | 1           | 1     | 28.60                | 4                           |
| 11-2031                        | Public Relations Managers                       | *                 | *                 | *                   | *                    | *                        | *           | *     | 21.93                | 4                           |
| 11-3000                        | Operations Specialties Managers                 | 404               | 426               | 22                  | 5.4                  | 2                        | 7           | 9     | n/a                  | n/a                         |
| 11-3011                        | Administrative Services Managers                | 70                | 72                | 2                   | 2.9                  | 0                        | 1           | 1     | 16.25                | 4                           |
| 11-3031                        | Financial Managers                              | 173               | 188               | 15                  | 8.7                  | 2                        | 3           | 5     | 24.14                | 4                           |
| 11-3040                        | Human Resources Managers                        | 33                | 36                | 3                   | 9.1                  | 0                        | 1           | 1     | 21.94                | 4                           |
| 11-3061                        | Purchasing Managers                             | 45                | 40                | -5                  | -11.1                | 0                        | 1           | 1     | 17.04                | 4                           |
| 11-3071                        | Transportation, Storage & Distribution Managers | 39                | 40                | 1                   | 2.6                  | 0                        | 1           | 1     | 15.28                | 8                           |
| 11-9000                        | Other Management Occupations                    | 1,911             | 2,061             | 150                 | 7.8                  | 15                       | 32          | 47    | n/a                  | n/a                         |
| 11-9010                        | Agricultural Managers                           | 195               | 163               | -32                 | -16.4                | 0                        | 1           | 1     | n/a                  | n/a                         |
| 11-9012                        | Farmers and Ranchers                            | 185               | 152               | -33                 | -17.8                | 0                        | 1           | 1     | n/a                  | 9                           |
| 11-9021                        | Construction Managers                           | 117               | 164               | 47                  | 40.2                 | 5                        | 2           | 7     | 30.33                | 5                           |
| 11-9030                        | Education Administrators                        | 196               | 208               | 12                  | 6.1                  | 1                        | 5           | 6     | n/a                  | 4                           |
| 11-9032                        | Education Admin., Elementary & Secondary        | 123               | 129               | 6                   | 4.9                  | 1                        | 3           | 4     | n/a                  | 4                           |
| 11-9033                        | Education Administrators, Postsecondary         | 60                | 64                | 4                   | 6.7                  | 0                        | 2           | 2     | 34.48                | 4                           |
| 11-9051                        | Food Service Managers                           | 133               | 155               | 22                  | 16.5                 | 2                        | 2           | 4     | 11.73                | 8                           |
| 11-9061                        | Funeral Directors                               | *                 | *                 | *                   | *                    | *                        | *           | *     | 26.93                | 6                           |
| 11-9111                        | Medical and Health Services Managers            | 65                | 94                | 29                  | 44.6                 | 3                        | 1           | 4     | 25.82                | 4                           |
| 11-9131                        | Postmasters and Mail Superintendents            | 113               | 105               | -8                  | -7.1                 | 0                        | 2           | 2     | 19.30                | 8                           |
| 11-9141                        | Property, Real Estate, Community Assn Manager   | 41                | 52                | 11                  | 26.8                 | 1                        | 1           | 2     | 14.19                | 5                           |
| 11-9151                        | Social and Community Service Managers           | 73                | 76                | 3                   | 4.1                  | 0                        | 1           | 1     | 13.29                | 5                           |
| 11-9199                        | Managers, All Other                             | 925               | 996               | 71                  | 7.7                  | 7                        | 16          | 23    | 27.12                | 8                           |

~ Education/Training Required Codes- Page 32

n/a - Not Available

\* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Big Sandy Area

## Business & Financial Operations Occs.

### Occupational Employment Outlook and Job Openings

| Occupational |   | Employment*       |                   | Change              |                      | Job Openings             |             |       | Average Wage<br>2001 | Educ/<br>Training<br>Req'd~ |
|--------------|---|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code         | Title   | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number | 2000-2010<br>Percent | Average Annual 2000-2010 |             |       |                      |                             |
|              |   |                   |                   |                     |                      | Growth                   | Separations | Total |                      |                             |
| 13-0000      | Business and Financial Operations Occupations     | 911               | 981               | 70                  | 7.7                  | 7                        | 19          | 26    | n/a                  | n/a                         |
| 13-1000      | Business Operations Specialists                   | 456               | 490               | 34                  | 7.5                  | 3                        | 11          | 14    | n/a                  | n/a                         |
| 13-1020      | Buyers and Purchasing Agents                      | 48                | 47                | -1                  | -2.1                 | 0                        | 1           | 1     | n/a                  | n/a                         |
| 13-1022      | Wholesale & Retail Buyers, Ex. Farm Products      | *                 | *                 | *                   | *                    | *                        | *           | *     | 13.92                | 5                           |
| 13-1023      | Purchasing Agents, Ex. Wholesale, Retail          | 41                | 40                | -1                  | -2.4                 | 0                        | 1           | 1     | 17.50                | 5                           |
| 13-1041      | Compliance Officer, Ex. Ag., Construction, Health | 176               | 184               | 8                   | 4.5                  | 1                        | 5           | 6     | 14.72                | 9                           |
| 13-1051      | Cost Estimators                                   | *                 | *                 | *                   | *                    | *                        | *           | *     | 22.82                | 5                           |
| 13-1070      | Human Res., Training & Labor Relations Spec.      | 65                | 72                | 7                   | 10.8                 | 1                        | 1           | 2     | n/a                  | n/a                         |
| 13-1073      | Training and Development Specialists              | *                 | *                 | *                   | *                    | *                        | *           | *     | 12.74                | 5                           |
| 13-1111      | Management Analysts                               | *                 | *                 | *                   | *                    | *                        | *           | *     | 30.33                | 4                           |
| 13-1199      | Business Operations Specialists, All Other        | 124               | 136               | 12                  | 9.7                  | 1                        | 3           | 4     | 20.81                | 5                           |
| 13-2000      | Financial Specialists                             | 455               | 491               | 36                  | 7.9                  | 4                        | 8           | 12    | n/a                  | n/a                         |
| 13-2011      | Accountants and Auditors                          | 201               | 213               | 12                  | 6.0                  | 1                        | 3           | 4     | 14.87                | 5                           |
| 13-2050      | Financial Analysts and Advisors                   | *                 | *                 | *                   | *                    | *                        | *           | *     | n/a                  | n/a                         |
| 13-2072      | Loan Officers                                     | 150               | 157               | 7                   | 4.7                  | 1                        | 3           | 4     | 18.52                | 5                           |
| 13-2080      | Tax Examiners, Collectors, Preparers & Revenue    | 36                | 41                | 5                   | 13.9                 | 1                        | 1           | 2     | n/a                  | n/a                         |
| 13-2099      | Financial Specialists, All Other                  | *                 | *                 | *                   | *                    | *                        | *           | *     | 16.34                | 5                           |

~ Education/Training Required Codes- Page 32

n/a - Not Available

\* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Big Sandy Area

## Computer & Mathematical Occupations

### Occupational Employment Outlook and Job Openings

| Occupational |   | Employment*       |                   | Change              |                      | Job Openings             |             |       | Average Wage<br>2001 | Educ/ Training<br>Req'd~ |
|--------------|---|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|--------------------------|
| Code         | Title                                       | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number | 2000-2010<br>Percent | Average Annual 2000-2010 |             |       |                      |                          |
|              |   |                   |                   |                     |                      | Growth                   | Separations | Total |                      |                          |
| 15-0000      | Computer and Mathematical Occupations       | 155               | 265               | 110                 | 71.0                 | 11                       | 1           | 12    | n/a                  | n/a                      |
| 15-1000      | Computer Specialists                        | 154               | 265               | 111                 | 72.1                 | 11                       | 1           | 12    | n/a                  | n/a                      |
| 15-1021      | Computer Programmers                        | *                 | *                 | *                   | *                    | *                        | *           | *     | 21.58                | 5                        |
| 15-1041      | Computer Support Specialists                | 51                | 86                | 35                  | 68.6                 | 4                        | 0           | 4     | 12.79                | 6                        |
| 15-1071      | Network and Computer Systems Administrators | 64                | 129               | 65                  | 101.6                | 7                        | 0           | 7     | 17.43                | 5                        |
| 15-1099      | Computer Specialists, All Other             | *                 | *                 | *                   | *                    | *                        | *           | *     | 10.74                | 7                        |

~ Education/Training Required Codes- Page 32      n/a - Not Available      \* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Big Sandy Area

## Architecture & Engineering Occupations

### Occupational Employment Outlook and Job Openings

| Occupational   |   | Employment*       |                   | Change              |                      | Job Openings                       |             |          | Average<br>Wage<br>2001 | Educ/<br>Training<br>Req'd~ |
|----------------|---|-------------------|-------------------|---------------------|----------------------|------------------------------------|-------------|----------|-------------------------|-----------------------------|
| Code           | Title   | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number | 2000-2010<br>Percent | Average Annual 2000-2010<br>Growth | Separations | Total    |                         |                             |
| <b>17-0000</b> | <b>Architecture and Engineering Occupations</b>       | <b>395</b>        | <b>353</b>        | <b>-42</b>          | <b>-10.6</b>         | <b>0</b>                           | <b>9</b>    | <b>9</b> | <b>n/a</b>              | <b>n/a</b>                  |
| <b>17-1000</b> | <b>Architects, Surveyors, and Cartographers</b>       | <b>77</b>         | <b>56</b>         | <b>-21</b>          | <b>-27.3</b>         | <b>0</b>                           | <b>2</b>    | <b>2</b> | <b>n/a</b>              | <b>n/a</b>                  |
| 17-1020        | Surveyors, Cartographers & Photogrammetrists          | 77                | 56                | -21                 | -27.3                | 0                                  | 2           | 2        | n/a                     | n/a                         |
| 17-1022        | Surveyors   | 74                | 53                | -21                 | -28.4                | 0                                  | 2           | 2        | 10.86                   | 5                           |
| <b>17-2000</b> | <b>Engineers</b>                                      | <b>118</b>        | <b>106</b>        | <b>-12</b>          | <b>-10.2</b>         | <b>0</b>                           | <b>2</b>    | <b>2</b> | <b>n/a</b>              | <b>n/a</b>                  |
| 17-2151        | Mining & Geological Engineer, Inc. Mining Safety      | *                 | *                 | *                   | *                    | *                                  | *           | *        | 28.05                   | 5                           |
| <b>17-3000</b> | <b>Drafters, Engineering, and Mapping Technicians</b> | <b>200</b>        | <b>191</b>        | <b>-9</b>           | <b>-4.5</b>          | <b>0</b>                           | <b>5</b>    | <b>5</b> | <b>n/a</b>              | <b>n/a</b>                  |
| 17-3010        | Drafters  | *                 | *                 | *                   | *                    | *                                  | *           | *        | n/a                     | n/a                         |
| 17-3011        | Architectural and Civil Drafters                      | *                 | *                 | *                   | *                    | *                                  | *           | *        | 8.41                    | 7                           |
| 17-3020        | Engineering Technicians, Except Drafters              | 131               | 131               | 0                   | 0.0                  | 0                                  | 3           | 3        | n/a                     | n/a                         |
| 17-3031        | Surveying and Mapping Technicians                     | *                 | *                 | *                   | *                    | *                                  | *           | *        | 11.49                   | 10                          |
| 17-3099        | Drafters, Engineering & Mapping Tech., All Other      | *                 | *                 | *                   | *                    | *                                  | *           | *        | 17.22                   | 6                           |

~ Education/Training Required Codes- Page 32      n/a - Not Available      \* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch



# Big Sandy Area

## Life, Physical & Social Science Occs.

### Occupational Employment Outlook and Job Openings

| Occupational |  | Employment*       |                   | Change                      |       | Job Openings   |   |   | Average Wage<br>2001 | Educ/<br>Training<br>Req'd~ |
|--------------|--|-------------------|-------------------|-----------------------------|-------|--|---|---|----------------------|-----------------------------|
| Code         | Title  | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number Percent |       | Average Annual 2000-2010<br>Growth Separations Total |   |   |                      |                             |
| 19-0000      | Life, Physical, and Social Science Occupations   | 191               | 186               | -5                          | -2.6  | 0  | 6 | 6 | n/a                  | n/a                         |
| 19-1000      | Life Scientists                                  | *                 | *                 | *                           | *     | *  | * | * | n/a                  | n/a                         |
| 19-1020      | Biological Scientists                            | *                 | *                 | *                           | *     | *  | * | * | n/a                  | n/a                         |
| 19-1030      | Conservation Scientists and Foresters            | *                 | *                 | *                           | *     | *  | * | * | n/a                  | n/a                         |
| 19-1031      | Conservation Scientists                          | *                 | *                 | *                           | *     | *  | * | * | 24.05                | 5                           |
| 19-2000      | Physical Scientists                              | 65                | 46                | -19                         | -29.2 | 0  | 2 | 2 | n/a                  | n/a                         |
| 19-2030      | Chemists and Materials Scientists                | *                 | *                 | *                           | *     | *  | * | * | n/a                  | n/a                         |
| 19-2040      | Environmental Scientists and Geoscientists       | 51                | 29                | -22                         | -43.1 | 0  | 2 | 2 | n/a                  | n/a                         |
| 19-2042      | Geoscientists, Ex. Hydrologists & Geographers    | *                 | *                 | *                           | *     | *  | * | * | 15.37                | 5                           |
| 19-3000      | Social Scientists and Related Workers            | 50                | 58                | 8                           | 16.0  | 1  | 1 | 2 | n/a                  | n/a                         |
| 19-4000      | Life, Physical, and Social Science Technicians   | 46                | 47                | 1                           | 2.2   | 0  | 2 | 2 | n/a                  | n/a                         |
| 19-4090      | Misc. Life, Physical & Social Science Technician | 36                | 38                | 2                           | 5.6   | 0  | 1 | 1 | n/a                  | n/a                         |
| 19-4093      | Forest and Conservation Technicians              | *                 | *                 | *                           | *     | *  | * | * | 15.09                | 6                           |
| 19-4099      | Life, Physical & Social Science Tech., All Other | *                 | *                 | *                           | *     | *  | * | * | 11.77                | 6                           |

~ Education/Training Required Codes- Page 32

n/a - Not Available

\* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Big Sandy Area

## Community & Social Services Occs.

### Occupational Employment Outlook and Job Openings

| Occupational |   | Employment*       |                   | Change              |                      | Job Openings   |    |    | Average Wage<br>2001 | Educ/<br>Training<br>Req'd~ |
|--------------|---|-------------------|-------------------|---------------------|----------------------|--|----|----|----------------------|-----------------------------|
| Code         | Title   | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number | 2000-2010<br>Percent | Average Annual 2000-2010<br>Growth Separations Total |    |    |                      |                             |
| 21-0000      | Community and Social Services Occupations       | 1,059             | 1,393             | 334                 | 31.5                 | 33   | 17 | 50 | n/a                  | n/a                         |
| 21-1000      | Counselor, Social Worker & Other Community      | 823               | 1,138             | 315                 | 38.3                 | 32   | 11 | 43 | n/a                  | n/a                         |
| 21-1010      | Counselors                                      | 155               | 192               | 37                  | 23.9                 | 4  | 3  | 7  | n/a                  | n/a                         |
| 21-1012      | Educational, Vocational, and School Counselors  | 85                | 104               | 19                  | 22.4                 | 2  | 2  | 4  | 16.84                | 3                           |
| 21-1020      | Social Workers                                  | 489               | 690               | 201                 | 41.1                 | 20   | 6  | 26 | n/a                  | n/a                         |
| 21-1021      | Child, Family, and School Social Workers        | 334               | 421               | 87                  | 26.0                 | 9  | 4  | 13 | 11.38                | 5                           |
| 21-1022      | Medical and Public Health Social Workers        | 132               | 230               | 98                  | 74.2                 | 10   | 2  | 12 | 16.94                | 5                           |
| 21-1023      | Mental Health & Substance Abuse Social Worker   | *                 | *                 | *                   | *                    | *  | *  | *  | 11.47                | n/a                         |
| 21-1090      | Misc. Community and Social Service Specialists  | 179               | 256               | 77                  | 43.0                 | 8  | 3  | 11 | n/a                  | n/a                         |
| 21-1093      | Social and Human Service Assistants             | 153               | 225               | 72                  | 47.1                 | 7  | 2  | 9  | 9.20                 | 10                          |
| 21-2000      | Religious Workers                               | 215               | 231               | 16                  | 7.4                  | 2  | 6  | 8  | n/a                  | n/a                         |
| 21-9000      | Misc. Counselors, Social, & Religious Workers   | *                 | *                 | *                   | *                    | *  | *  | *  | n/a                  | n/a                         |
| 21-9099      | Counselor, Social & Religious Worker, All Other | *                 | *                 | *                   | *                    | *  | *  | *  | 10.79                | 5                           |

~ Education/Training Required Codes- Page 32

n/a - Not Available

\* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Big Sandy Area

## Legal Occupations

### Occupational Employment Outlook and Job Openings

| Occupational |   | Employment*       |                   | Change              |                      | Job Openings             |             |       | Average Wage<br>2001 | Educ/<br>Training<br>Req'd~ |
|--------------|---|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code         | Title   | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number | 2000-2010<br>Percent | Average Annual 2000-2010 |             |       |                      |                             |
|              |   |                   |                   |                     |                      | Growth                   | Separations | Total |                      |                             |
| 23-0000      | Legal Occupations                               | 294               | 345               | 51                  | 17.3                 | 5                        | 3           | 8     | n/a                  | n/a                         |
| 23-1000      | Lawyers, Judges, and Related Workers            | 176               | 210               | 34                  | 19.3                 | 3                        | 2           | 5     | n/a                  | n/a                         |
| 23-1011      | Lawyers   | 148               | 180               | 32                  | 21.6                 | 3                        | 1           | 4     | 40.91                | 1                           |
| 23-1020      | Judges, Magistrates, and Other Judicial Workers | *                 | *                 | *                   | *                    | *                        | *           | *     | n/a                  | n/a                         |
| 23-2000      | Legal Support Workers                           | 100               | 117               | 17                  | 17.0                 | 2                        | 1           | 3     | n/a                  | n/a                         |
| 23-2011      | Paralegals and Legal Assistants                 | *                 | *                 | *                   | *                    | *                        | *           | *     | 11.74                | 6                           |
| 23-2090      | Miscellaneous Legal Support Workers             | *                 | *                 | *                   | *                    | *                        | *           | *     | n/a                  | n/a                         |
| 23-9000      | Miscellaneous Legal & Related Workers           | *                 | *                 | *                   | *                    | *                        | *           | *     | n/a                  | n/a                         |
| 23-9099      | Legal and Related Workers, All Other            | *                 | *                 | *                   | *                    | *                        | *           | *     | 14.02                | 5                           |

~ Education/Training Required Codes- Page 32

n/a - Not Available

\* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Big Sandy Area

## Education, Training & Library Occs.

### Occupational Employment Outlook and Job Openings

| Occupational |  | Employment*       |                   | Change              |                      | Job Openings             |             |       | Average Wage<br>2001 | Educ/<br>Training<br>Req'd~ |
|--------------|--|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code         | Title  | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number | 2010-2000<br>Percent | Average Annual 2000-2010 |             |       |                      |                             |
|              |  |                   |                   |                     |                      | Growth                   | Separations | Total |                      |                             |
| 25-0000      | Education, Training, and Library Occupations     | 3,977             | 4,388             | 411                 | 10.3                 | 41                       | 82          | 123   | n/a                  | n/a                         |
| 25-1000      | Postsecondary Teachers                           | 537               | 636               | 99                  | 18.4                 | 10                       | 14          | 24    | n/a                  | n/a                         |
| 25-1020      | Math and Computer Teachers, Postsecondary        | 62                | 74                | 12                  | 19.4                 | 1                        | 2           | 3     | n/a                  | n/a                         |
| 25-1050      | Physical Sciences Teachers, Postsecondary        | *                 | *                 | *                   | *                    | *                        | *           | *     | n/a                  | n/a                         |
| 25-1060      | Social Sciences Teachers, Postsecondary          | *                 | *                 | *                   | *                    | *                        | *           | *     | n/a                  | n/a                         |
| 25-1070      | Health Teachers, Postsecondary                   | 42                | 49                | 7                   | 16.7                 | 1                        | 1           | 2     | n/a                  | n/a                         |
| 25-1120      | Arts, Comm. & Humanities Teacher, Postsec.       | 76                | 88                | 12                  | 15.8                 | 1                        | 2           | 3     | n/a                  | n/a                         |
| 25-1190      | Miscellaneous Postsecondary Teachers             | 200               | 243               | 43                  | 21.5                 | 4                        | 5           | 9     | n/a                  | n/a                         |
| 25-1194      | Vocational Education Teachers, Postsecondary     | 177               | 216               | 39                  | 22.0                 | 4                        | 5           | 9     | 17.45                | 8                           |
| 25-2000      | Primary, Secondary & Special Ed. Teachers        | 2,078             | 2,246             | 168                 | 8.1                  | 17                       | 45          | 62    | n/a                  | n/a                         |
| 25-2010      | Preschool and Kindergarten Teachers              | 275               | 289               | 14                  | 5.1                  | 1                        | 3           | 4     | n/a                  | n/a                         |
| 25-2011      | Preschool Teachers, Except Special Education     | 162               | 170               | 8                   | 4.9                  | 1                        | 2           | 3     | 7.76                 | 5                           |
| 25-2020      | Elementary and Middle School Teachers            | 973               | 1,011             | 38                  | 3.9                  | 4                        | 22          | 26    | n/a                  | n/a                         |
| 25-2021      | Elementary School Teachers, Ex. Special Ed. #    | 740               | 774               | 34                  | 4.6                  | 3                        | 17          | 20    | 24.95                | 5                           |
| 25-2022      | Middle School Teachers, Ex. Special & Voc. Ed. # | 233               | 237               | 4                   | 1.7                  | 0                        | 5           | 5     | 24.87                | 5                           |
| 25-2030      | Secondary School Teachers                        | 507               | 556               | 49                  | 9.7                  | 5                        | 15          | 20    | n/a                  | n/a                         |
| 25-2031      | Sec. School Teachers, Ex. Special & Voc. Ed. #   | 493               | 541               | 48                  | 9.7                  | 5                        | 15          | 20    | 24.97                | 5                           |
| 25-2040      | Special Education Teachers                       | 323               | 390               | 67                  | 20.7                 | 7                        | 4           | 11    | n/a                  | n/a                         |
| 25-2042      | Special Education Teachers, Middle School #      | 48                | 55                | 7                   | 14.6                 | 1                        | 1           | 2     | 22.11                | 5                           |
| 25-3000      | Other Teachers and Instructors                   | 425               | 473               | 48                  | 11.3                 | 5                        | 4           | 9     | n/a                  | n/a                         |
| 25-4000      | Librarians, Curators, and Archivists             | 78                | 75                | -3                  | -3.8                 | 0                        | 2           | 2     | n/a                  | n/a                         |
| 25-4021      | Librarians                                       | 73                | 70                | -3                  | -4.1                 | 0                        | 2           | 2     | 17.87                | 3                           |
| 25-9000      | Other Education, Training & Library Occupations  | 859               | 958               | 99                  | 11.5                 | 10                       | 17          | 27    | n/a                  | n/a                         |

~ Education/Training Required Codes- Page 32

n/a - Not Available

\* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Average hourly wages for teacher occupations were calculated by assuming the average working months per year was 9.5 and hours worked per week was 40.

# Big Sandy Area

Arts, Design, Entertainment, Sports & Media Occs.

## Occupational Employment Outlook and Job Openings

| Occupational   |  | Employment*       |                   | Change              |                      | Job Openings                       |             |           | Average<br>Wage<br>2001 | Educ/<br>Training<br>Req'd~ |
|----------------|--|-------------------|-------------------|---------------------|----------------------|------------------------------------|-------------|-----------|-------------------------|-----------------------------|
| Code           | Title  | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number | 2000-2010<br>Percent | Average Annual 2000-2010<br>Growth | Separations | Total     |                         |                             |
| <b>27-0000</b> | <b>Arts, Design, Entertain., Sports &amp; Media Occs</b> | <b>568</b>        | <b>622</b>        | <b>54</b>           | <b>9.5</b>           | <b>5</b>                           | <b>11</b>   | <b>16</b> | n/a                     | n/a                         |
| <b>27-1000</b> | <b>Art and Design Workers</b>                            | *                 | *                 | *                   | *                    | *                                  | *           | *         | n/a                     | n/a                         |
| 27-1020        | Designers  | *                 | *                 | *                   | *                    | *                                  | *           | *         | n/a                     | n/a                         |
| <b>27-2000</b> | <b>Entertainer, Performer, Sports &amp; Related Work</b> | <b>443</b>        | <b>499</b>        | <b>56</b>           | <b>12.6</b>          | <b>6</b>                           | <b>8</b>    | <b>14</b> | <b>n/a</b>              | <b>n/a</b>                  |
| 27-2010        | Actors, Producers, and Directors                         | *                 | *                 | *                   | *                    | *                                  | *           | *         | n/a                     | n/a                         |
| 27-2040        | Musicians, Singers, and Related Workers                  | 404               | 457               | 53                  | 13.1                 | 5                                  | 8           | 13        | n/a                     | n/a                         |
| 27-2042        | Musicians and Singers                                    | 346               | 393               | 47                  | 13.6                 | 5                                  | 7           | 12        | n/a                     | 9                           |
| <b>27-3000</b> | <b>Media and Communication Workers</b>                   | <b>94</b>         | <b>86</b>         | <b>-8</b>           | <b>-8.5</b>          | <b>0</b>                           | <b>2</b>    | <b>2</b>  | <b>n/a</b>              | <b>n/a</b>                  |
| 27-3010        | Announcers   | 59                | 45                | -14                 | -23.7                | 0                                  | 1           | 1         | 6.85                    | 9                           |
| 27-3031        | Public Relations Specialists                             | *                 | *                 | *                   | *                    | *                                  | *           | *         | 19.40                   | 5                           |
| <b>27-4000</b> | <b>Media and Communication Equipment Workers</b>         | *                 | *                 | *                   | *                    | *                                  | *           | *         | <b>n/a</b>              | <b>n/a</b>                  |
| 27-4010        | Broadcast, Sound Engineering Tech., Radio Ops            | *                 | *                 | *                   | *                    | *                                  | *           | *         | n/a                     | n/a                         |

~ Education/Training Required Codes- Page 32      n/a - Not Available      \* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Big Sandy Area

## Healthcare Practitioners & Technical Occs.

### Occupational Employment Outlook and Job Openings

| Occupational |  | Employment*       |                   | Change              |                      | Job Openings             |             |       | Average Wage<br>2001 | Educ/<br>Training<br>Req'd~ |
|--------------|--|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code         | Title  | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number | 2000-2010<br>Percent | Average Annual 2000-2010 |             |       |                      |                             |
|              |  |                   |                   |                     |                      | Growth                   | Separations | Total |                      |                             |
| 29-0000      | Healthcare Practitioners & Technical Occs        | 3,803             | 5,058             | 1,255               | 33.0                 | 126                      | 86          | 212   | n/a                  | n/a                         |
| 29-1000      | Health Diagnosing and Treating Practitioners     | 2,207             | 3,088             | 881                 | 39.9                 | 88                       | 47          | 135   | n/a                  | n/a                         |
| 29-1051      | Pharmacists                                      | 281               | 298               | 17                  | 6.0                  | 2                        | 8           | 10    | 38.04                | 1                           |
| 29-1060      | Physicians and Surgeons                          | 199               | 207               | 8                   | 4.0                  | 1                        | 3           | 4     | n/a                  | 1                           |
| 29-1062      | Family and General Practitioners                 | *                 | *                 | *                   | *                    | *                        | *           | *     | 62.63                | 1                           |
| 29-1071      | Physician Assistants                             | *                 | *                 | *                   | *                    | *                        | *           | *     | 32.22                | 5                           |
| 29-1111      | Registered Nurses                                | 1,126             | 1,639             | 513                 | 45.6                 | 51                       | 23          | 74    | 21.68                | 6                           |
| 29-1120      | Therapists                                       | 176               | 249               | 73                  | 41.5                 | 7                        | 4           | 11    | n/a                  | n/a                         |
| 29-1122      | Occupational Therapists                          | 41                | 54                | 13                  | 31.7                 | 1                        | 1           | 2     | 25.94                | 5                           |
| 29-1123      | Physical Therapists                              | *                 | *                 | *                   | *                    | *                        | *           | *     | 25.87                | 3                           |
| 29-1126      | Respiratory Therapists                           | 46                | 72                | 26                  | 56.5                 | 3                        | 1           | 4     | 15.63                | 6                           |
| 29-1127      | Speech-Language Pathologists                     | 61                | 81                | 20                  | 32.8                 | 2                        | 2           | 4     | 19.12                | 3                           |
| 29-2000      | Health Technologists and Technicians             | 1,420             | 1,780             | 360                 | 25.4                 | 36                       | 34          | 70    | n/a                  | n/a                         |
| 29-2010      | Clinical Laboratory Technologists & Technicians  | 99                | 115               | 16                  | 16.2                 | 2                        | 2           | 4     | n/a                  | n/a                         |
| 29-2011      | Medical and Clinical Laboratory Technologists    | 76                | 89                | 13                  | 17.1                 | 1                        | 2           | 3     | 19.60                | 5                           |
| 29-2030      | Diagnostic Related Technologists & Technicians   | 133               | 180               | 47                  | 35.3                 | 5                        | 3           | 8     | n/a                  | n/a                         |
| 29-2034      | Radiologic Technologists and Technicians         | 89                | 116               | 27                  | 30.3                 | 3                        | 2           | 5     | 16.79                | 6                           |
| 29-2041      | Emergency Medical Technicians & Paramedics       | 241               | 294               | 53                  | 22.0                 | 5                        | 6           | 11    | 8.63                 | 7                           |
| 29-2050      | Health Diagnosing, Treating Pract. Support Tech. | 379               | 498               | 119                 | 31.4                 | 12                       | 10          | 22    | n/a                  | n/a                         |
| 29-2052      | Pharmacy Technicians                             | *                 | *                 | *                   | *                    | *                        | *           | *     | 9.04                 | 10                          |
| 29-2054      | Respiratory Therapy Technicians                  | 54                | 75                | 21                  | 38.9                 | 2                        | 1           | 3     | 12.81                | 7                           |
| 29-2055      | Surgical Technologists                           | *                 | *                 | *                   | *                    | *                        | *           | *     | 12.64                | 7                           |
| 29-2061      | Licensed Practical & Vocational Nurses           | 349               | 382               | 33                  | 9.5                  | 3                        | 9           | 12    | 12.59                | 7                           |
| 29-2071      | Medical Records & Health Information Tech.       | 68                | 92                | 24                  | 35.3                 | 2                        | 2           | 4     | 10.24                | 6                           |
| 29-2081      | Opticians, Dispensing                            | 135               | 195               | 60                  | 44.4                 | 6                        | 3           | 9     | 13.76                | 9                           |
| 29-9000      | Other Healthcare Pract. & Technical Occs         | 176               | 190               | 14                  | 8.0                  | 1                        | 4           | 5     | n/a                  | n/a                         |
| 29-9010      | Occupational Health, Safety Spec. & Technicians  | 139               | 143               | 4                   | 2.9                  | 0                        | 4           | 4     | 25.60                | 5                           |
| 29-9090      | Misc. Health Practitioners & Technical Workers   | 37                | 47                | 10                  | 27.0                 | 1                        | 0           | 1     | n/a                  | n/a                         |

~ Education/Training Required Codes- Page 32      n/a - Not Available      \* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Big Sandy Area

## Healthcare Support Occupations

### Occupational Employment Outlook and Job Openings

| Occupational |   | Employment*       |                   | Change              |                      | Job Openings             |             |       | Average Wage<br>2001 | Educ/<br>Training<br>Req'd- |
|--------------|---|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code         | Title   | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number | 2000-2010<br>Percent | Average Annual 2000-2010 |             |       |                      |                             |
|              |   |                   |                   |                     |                      | Growth                   | Separations | Total |                      |                             |
| 31-0000      | Healthcare Support Occupations                  | 1,620             | 2,144             | 524                 | 32.3                 | 52                       | 30          | 82    | n/a                  | n/a                         |
| 31-1000      | Nursing, Psychiatric, and Home Health Aides     | 938               | 1,204             | 266                 | 28.4                 | 27                       | 12          | 39    | n/a                  | n/a                         |
| 31-1010      | Nursing, Psychiatric, and Home Health Aides     | 938               | 1,204             | 266                 | 28.4                 | 27                       | 12          | 39    | n/a                  | n/a                         |
| 31-1011      | Home Health Aides                               | 227               | 382               | 155                 | 68.3                 | 16                       | 3           | 19    | 7.66                 | 11                          |
| 31-1012      | Nursing Aides, Orderlies, and Attendants        | 711               | 822               | 111                 | 15.6                 | 11                       | 9           | 20    | 7.47                 | 11                          |
| 31-2000      | Occupational, Physical Therapist Assist. & Aide | *                 | *                 | *                   | *                    | *                        | *           | *     | n/a                  | n/a                         |
| 31-9000      | Other Healthcare Support Occupations            | 662               | 912               | 250                 | 37.8                 | 25                       | 17          | 42    | n/a                  | n/a                         |
| 31-9090      | Miscellaneous Healthcare Support Occupations    | 659               | 909               | 250                 | 37.9                 | 25                       | 17          | 42    | n/a                  | n/a                         |
| 31-9092      | Medical Assistants                              | 455               | 625               | 170                 | 37.4                 | 17                       | 12          | 29    | 7.80                 | 10                          |
| 31-9094      | Medical Transcriptionists                       | 41                | 57                | 16                  | 39.0                 | 2                        | 1           | 3     | 10.52                | 7                           |
| 31-9099      | Healthcare Support Workers, All Other           | 98                | 135               | 37                  | 37.8                 | 4                        | 3           | 7     | 9.91                 | 11                          |

~ Education/Training Required Codes- Page 32

n/a - Not Available

\* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Big Sandy Area

## Protective Service Occupations

### Occupational Employment Outlook and Job Openings

| Occupational |  | Employment*       |                   | Change              |                      | Job Openings             |             |       | Average Wage<br>2001 | Educ/<br>Training<br>Req'd~ |
|--------------|--|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code         | Title  | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number | 2000-2010<br>Percent | Average Annual 2000-2010 |             |       |                      |                             |
|              |  |                   |                   |                     |                      | Growth                   | Separations | Total |                      |                             |
| 33-0000      | Protective Service Occupations                 | 866               | 1,079             | 213                 | 24.6                 | 21                       | 23          | 44    | n/a                  | n/a                         |
| 33-1000      | Supervisors, Protective Service Workers        | 47                | 62                | 15                  | 31.9                 | 2                        | 1           | 3     | n/a                  | n/a                         |
| 33-1010      | Supervisors, Law Enforcement Workers           | *                 | *                 | *                   | *                    | *                        | *           | *     | n/a                  | n/a                         |
| 33-1099      | Supervisors, Protective Service Workers,       | *                 | *                 | *                   | *                    | *                        | *           | *     | 11.73                | 8                           |
| 33-2000      | Fire Fighting and Prevention Workers           | 94                | 119               | 25                  | 26.6                 | 3                        | 3           | 6     | n/a                  | n/a                         |
| 33-2011      | Fire Fighters                                  | 87                | 110               | 23                  | 26.4                 | 2                        | 2           | 4     | 10.77                | 9                           |
| 33-3000      | Law Enforcement Workers                        | 260               | 354               | 94                  | 36.2                 | 9                        | 6           | 15    | n/a                  | n/a                         |
| 33-3010      | Bailiffs, Correctional Officers, and Jailers   | 49                | 79                | 30                  | 61.2                 | 3                        | 1           | 4     | n/a                  | n/a                         |
| 33-3012      | Correctional Officers and Jailers              | 48                | 77                | 29                  | 60.4                 | 3                        | 1           | 4     | 8.49                 | 10                          |
| 33-3050      | Police Officers                                | 193               | 256               | 63                  | 32.6                 | 6                        | 4           | 10    | n/a                  | n/a                         |
| 33-3051      | Police and Sheriff's Patrol Officers           | 192               | 255               | 63                  | 32.8                 | 6                        | 4           | 10    | 9.69                 | 9                           |
| 33-3052      | Transit and Railroad Police                    | *                 | *                 | *                   | *                    | *                        | *           | *     | n/a                  | 9                           |
| 33-9000      | Other Protective Service Workers               | 465               | 544               | 79                  | 17.0                 | 8                        | 14          | 22    | n/a                  | n/a                         |
| 33-9030      | Security Guards & Gaming Surveillance Officers | 441               | 515               | 74                  | 16.8                 | 7                        | 12          | 19    | n/a                  | n/a                         |
| 33-9032      | Security Guards                                | 438               | 510               | 72                  | 16.4                 | 7                        | 12          | 19    | 6.57                 | 11                          |

~ Education/Training Required Codes- Page 32

n/a - Not Available

\* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch



# Big Sandy Area

## Food Preparation & Serving Related Occs.

### Occupational Employment Outlook and Job Openings

| Occupational |  | Employment*       |                   | Change              |                      | Job Openings             |             |       | Average Wage<br>2001 | Educ/<br>Training<br>Req'd~ |
|--------------|--|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code         | Title  | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number | 2000-2010<br>Percent | Average Annual 2000-2010 |             |       |                      |                             |
|              |  |                   |                   |                     |                      | Growth                   | Separations | Total |                      |                             |
| 35-0000      | Food Preparation & Serving Related Occupations | 3,388             | 3,545             | 157                 | 4.6                  | 16                       | 117         | 133   | n/a                  | n/a                         |
| 35-1000      | Supervisors, Food Prep. & Serving Workers      | 291               | 311               | 20                  | 6.9                  | 2                        | 7           | 9     | n/a                  | n/a                         |
| 35-1010      | Supervisors, Food Preparation and Serving      | 291               | 311               | 20                  | 6.9                  | 2                        | 7           | 9     | n/a                  | n/a                         |
| 35-1012      | Supervisors of Food Preparation and Serving    | 289               | 309               | 20                  | 6.9                  | 2                        | 7           | 9     | 8.33                 | 8                           |
| 35-2000      | Cooks and Food Preparation Workers             | 2,487             | 2,506             | 19                  | 0.8                  | 2                        | 75          | 77    | n/a                  | n/a                         |
| 35-2010      | Cooks  | 2,099             | 2,098             | -1                  | 0.0                  | 0                        | 60          | 60    | n/a                  | n/a                         |
| 35-2011      | Cooks, Fast Food                               | 1,171             | 1,117             | -54                 | -4.6                 | 0                        | 33          | 33    | 6.05                 | 11                          |
| 35-2012      | Cooks, Institution and Cafeteria               | 517               | 478               | -39                 | -7.5                 | 0                        | 15          | 15    | 7.38                 | 9                           |
| 35-2013      | Cooks, Private Household                       | *                 | *                 | *                   | *                    | *                        | *           | *     | n/a                  | 9                           |
| 35-2015      | Cooks, Short Order                             | *                 | *                 | *                   | *                    | *                        | *           | *     | 7.60                 | 11                          |
| 35-2021      | Food Preparation Workers                       | 388               | 408               | 20                  | 5.2                  | 2                        | 15          | 17    | 6.33                 | 11                          |
| 35-3000      | Food and Beverage Serving Workers              | 566               | 687               | 121                 | 21.4                 | 12                       | 34          | 46    | n/a                  | n/a                         |
| 35-3020      | Fast Food and Counter Workers                  | 356               | 445               | 89                  | 25.0                 | 9                        | 22          | 31    | n/a                  | n/a                         |
| 35-3021      | Combined Food Prep. and Serving Workers        | 335               | 422               | 87                  | 26.0                 | 9                        | 21          | 30    | 6.22                 | 11                          |
| 35-3031      | Waiters and Waitresses                         | 197               | 229               | 32                  | 16.2                 | 3                        | 11          | 14    | 6.42                 | 11                          |
| 35-9000      | Other Food Prep. & Serving Related Workers     | 44                | 41                | -3                  | -6.8                 | 0                        | 2           | 2     | n/a                  | n/a                         |

~ Education/Training Required Codes- Page 32

n/a - Not Available

\* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Big Sandy Area

## Building, Grounds Cleaning & Maintenance Occs.

### Occupational Employment Outlook and Job Openings

| Occupational |  | Employment*       |                   | Change              |                      | Job Openings             |             |       | Average Wage<br>2001 | Educ/<br>Training<br>Req'd~ |
|--------------|--|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code         | Title  | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number | 2000-2010<br>Percent | Average Annual 2000-2010 |             |       |                      |                             |
|              |  |                   |                   |                     |                      | Growth                   | Separations | Total |                      |                             |
| 37-0000      | Building, Grounds Cleaning & Maintenance Occs  | 1,905             | 2,064             | 159                 | 8.3                  | 16                       | 39          | 55    | n/a                  | n/a                         |
| 37-1000      | Supervisors, Build., Grounds Clean. & Maint.   | 90                | 91                | 1                   | 1.1                  | 0                        | 2           | 2     | n/a                  | n/a                         |
| 37-1010      | Supervisors, Building and Grounds Cleaning     | 90                | 91                | 1                   | 1.1                  | 0                        | 2           | 2     | n/a                  | n/a                         |
| 37-1011      | Supervisors of Housekeeping and Janitors       | 56                | 57                | 1                   | 1.8                  | 0                        | 2           | 2     | 12.15                | 8                           |
| 37-1012      | Supervisors of Landscaping, Lawn Service       | 34                | 34                | 0                   | 0.0                  | 0                        | 0           | 0     | 14.26                | 8                           |
| 37-2000      | Building Cleaning and Pest Control Workers     | 1,502             | 1,628             | 126                 | 8.4                  | 13                       | 30          | 43    | n/a                  | n/a                         |
| 37-2010      | Building Cleaning Workers                      | 1,502             | 1,628             | 126                 | 8.4                  | 13                       | 30          | 43    | n/a                  | n/a                         |
| 37-2011      | Janitors & Cleaners, Ex. Maids & Housekeeping  | 834               | 865               | 31                  | 3.7                  | 3                        | 15          | 18    | 7.82                 | 11                          |
| 37-2012      | Maids and Housekeeping Cleaners                | 668               | 763               | 95                  | 14.2                 | 10                       | 15          | 25    | 7.75                 | 11                          |
| 37-3000      | Grounds Maintenance Workers                    | 286               | 317               | 31                  | 10.8                 | 3                        | 7           | 10    | n/a                  | n/a                         |
| 37-3010      | Grounds Maintenance Workers                    | 286               | 317               | 31                  | 10.8                 | 3                        | 7           | 10    | n/a                  | n/a                         |
| 37-3011      | Landscaping and Groundskeeping Workers         | 189               | 223               | 34                  | 18.0                 | 3                        | 5           | 8     | 7.39                 | 11                          |
| 37-9000      | Misc. Building, Grounds Cleaning & Maint. Work | *                 | *                 | *                   | *                    | *                        | *           | *     | n/a                  | n/a                         |

~ Education/Training Required Codes- Page 32

n/a - Not Available

\* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Big Sandy Area

## Personal Care & Service Occupations

### Occupational Employment Outlook and Job Openings

| Occupational |  | Employment*       |                   | Change              |                      | Job Openings             |             |       | Average Wage<br>2001 | Educ/<br>Training<br>Req'd~ |
|--------------|--|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code         | Title  | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number | 2010-2000<br>Percent | Average Annual 2000-2010 |             |       |                      |                             |
|              |  |                   |                   |                     |                      | Growth                   | Separations | Total |                      |                             |
| 39-0000      | Personal Care and Service Occupations          | 1,661             | 2,018             | 357                 | 21.5                 | 36                       | 52          | 88    | n/a                  | n/a                         |
| 39-1000      | Supervisors, Personal Care & Service Workers   | *                 | *                 | *                   | *                    | *                        | *           | *     | n/a                  | n/a                         |
| 39-2000      | Animal Care and Service Workers                | 63                | 71                | 8                   | 12.7                 | 1                        | 1           | 2     | n/a                  | n/a                         |
| 39-2011      | Animal Trainers                                | 33                | 38                | 5                   | 15.2                 | 1                        | 1           | 2     | n/a                  | n/a                         |
| 39-3000      | Entertainment Attendants & Related Workers     | 34                | 44                | 10                  | 29.4                 | 1                        | 2           | 3     | n/a                  | n/a                         |
| 39-3090      | Misc. Entertainment Attendants & Related Work  | *                 | *                 | *                   | *                    | *                        | *           | *     | n/a                  | n/a                         |
| 39-4000      | Funeral Service Workers                        | *                 | *                 | *                   | *                    | *                        | *           | *     | n/a                  | n/a                         |
| 39-5000      | Personal Appearance Workers                    | 134               | 152               | 18                  | 13.4                 | 2                        | 3           | 5     | n/a                  | n/a                         |
| 39-5010      | Barbers and Cosmetologists                     | 132               | 148               | 16                  | 12.1                 | 2                        | 3           | 5     | n/a                  | n/a                         |
| 39-5012      | Hairdressers, Hairstylists, and Cosmetologists | 130               | 146               | 16                  | 12.3                 | 2                        | 3           | 5     | 8.33                 | 7                           |
| 39-6000      | Transportation, Tourism & Lodging Attendants   | *                 | *                 | *                   | *                    | *                        | *           | *     | n/a                  | n/a                         |
| 39-9000      | Other Personal Care and Service Workers        | 1,391             | 1,714             | 323                 | 23.2                 | 32                       | 45          | 77    | n/a                  | n/a                         |
| 39-9030      | Recreation and Fitness Workers                 | 57                | 70                | 13                  | 22.8                 | 1                        | 1           | 2     | n/a                  | n/a                         |
| 39-9032      | Recreation Workers                             | 39                | 43                | 4                   | 10.3                 | 0                        | 1           | 1     | 8.77                 | 5                           |
| 39-9041      | Residential Advisors                           | 58                | 70                | 12                  | 20.7                 | 1                        | 1           | 2     | 8.34                 | 10                          |

~ Education/Training Required Codes- Page 32

n/a - Not Available

\* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Big Sandy Area

## Sales and Related Occupations

### Occupational Employment Outlook and Job Openings

| Occupational |   | Employment*       |                   | Change              |                 | Job Openings             |             |       | Average Wage<br>2001 | Educ/<br>Training<br>Req'd~ |
|--------------|---|-------------------|-------------------|---------------------|-----------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code         | Title   | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number | 2010<br>Percent | Average Annual 2000-2010 |             |       |                      |                             |
|              |   |                   |                   |                     |                 | Growth                   | Separations | Total |                      |                             |
| 41-0000      | Sales and Related Occupations                 | 5,372             | 5,813             | 441                 | 8.2             | 44                       | 190         | 234   | n/a                  | n/a                         |
| 41-1000      | Supervisors, Sales Workers                    | 907               | 939               | 32                  | 3.5             | 3                        | 13          | 16    | n/a                  | n/a                         |
| 41-1010      | Supervisors, Sales Workers                    | 907               | 939               | 32                  | 3.5             | 3                        | 13          | 16    | n/a                  | n/a                         |
| 41-1011      | Supervisors of Retail Sales Workers           | 839               | 873               | 34                  | 4.1             | 3                        | 12          | 15    | 11.20                | 8                           |
| 41-1012      | Supervisors of Non-Retail Sales Workers       | 68                | 66                | -2                  | -2.9            | 0                        | 1           | 1     | 19.26                | 8                           |
| 41-2000      | Retail Sales Workers                          | 3,865             | 4,265             | 400                 | 10.3            | 40                       | 162         | 202   | n/a                  | n/a                         |
| 41-2010      | Cashiers                                      | 2,098             | 2,233             | 135                 | 6.4             | 14                       | 95          | 109   | n/a                  | n/a                         |
| 41-2011      | Cashiers                                      | 2,068             | 2,173             | 105                 | 5.1             | 11                       | 94          | 105   | 6.30                 | 11                          |
| 41-2020      | Counter, Rental Clerks and Parts Salespersons | 299               | 282               | -17                 | -5.7            | 0                        | 11          | 11    | n/a                  | n/a                         |
| 41-2021      | Counter and Rental Clerks                     | 144               | 144               | 0                   | 0.0             | 0                        | 7           | 7     | 6.94                 | 11                          |
| 41-2022      | Parts Salespersons                            | 155               | 138               | -17                 | -11.0           | 0                        | 5           | 5     | 10.23                | 10                          |
| 41-2031      | Retail Salespersons                           | 1,468             | 1,750             | 282                 | 19.2            | 28                       | 56          | 84    | 7.50                 | 11                          |
| 41-3000      | Sales Representatives, Services               | 235               | 236               | 1                   | 0.4             | 0                        | 6           | 6     | n/a                  | n/a                         |
| 41-3011      | Advertising Sales Agents                      | 35                | 41                | 6                   | 17.1            | 1                        | 1           | 2     | 12.52                | 10                          |
| 41-3021      | Insurance Sales Agents                        | 188               | 180               | -8                  | -4.3            | 0                        | 5           | 5     | 10.17                | 5                           |
| 41-4000      | Sales Reps, Wholesale and Manufacturing       | 230               | 219               | -11                 | -4.8            | 0                        | 6           | 6     | n/a                  | n/a                         |
| 41-4010      | Sales Reps, Wholesale and Manufacturing       | 230               | 219               | -11                 | -4.8            | 0                        | 6           | 6     | n/a                  | n/a                         |
| 41-4012      | Sales Reps, Wholesale & Manuf., Ex. Technical | 217               | 207               | -10                 | -4.6            | 0                        | 6           | 6     | 21.63                | 10                          |
| 41-9000      | Other Sales and Related Workers               | 135               | 154               | 19                  | 14.1            | 2                        | 3           | 5     | n/a                  | n/a                         |
| 41-9022      | Real Estate Sales Agents                      | *                 | *                 | *                   | *               | *                        | *           | *     | 17.12                | 7                           |
| 41-9090      | Miscellaneous Sales and Related Workers       | 78                | 93                | 15                  | 19.2            | 2                        | 2           | 4     | n/a                  | n/a                         |
| 41-9099      | Sales and Related Workers, All Other          | 58                | 69                | 11                  | 19.0            | 1                        | 1           | 2     | 12.93                | 10                          |

~ Education/Training Required Codes- Page 32

n/a - Not Available

\* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Big Sandy Area

## Office & Administrative Support Occs.

### Occupational Employment Outlook and Job Openings

| Occupational  |   | Employment*       |                   | Change                      |       | Job Openings   |     |     | Average Wage<br>2001 | Educ/<br>Training<br>Req'd~ |
|---|---|-------------------|-------------------|-----------------------------|-------|--|-----|-----|----------------------|-----------------------------|
| Code  | Title   | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number Percent |       | Average Annual 2000-2010<br>Growth Separations Total |     |     |                      |                             |
| 43-0000 Office and Administrative Support Occupations |   | 6,992             | 7,311             | 319                         | 4.6   | 32   | 154 | 186 | n/a                  | n/a                         |
| 43-1000   | Supervisors, Office & Admin. Support Workers    | 336               | 366               | 30                          | 8.9   | 3  | 7   | 10  | n/a                  | n/a                         |
| 43-1011   | Supervisors of Office and Administrative        | 336               | 366               | 30                          | 8.9   | 3  | 7   | 10  | 15.09                | 8                           |
| 43-2000   | Communications Equipment Operators              | 67                | 51                | -16                         | -23.9 | 0  | 2   | 2   | n/a                  | n/a                         |
| 43-2011   | Switchboard Operators, Inc. Answering Service   | 66                | 50                | -16                         | -24.2 | 0  | 2   | 2   | 8.00                 | 11                          |
| 43-3000   | Financial Clerks                                | 1,628             | 1,616             | -12                         | -0.7  | 0  | 45  | 45  | n/a                  | n/a                         |
| 43-3011   | Bill and Account Collectors                     | 56                | 74                | 18                          | 32.1  | 2  | 1   | 3   | 9.84                 | 11                          |
| 43-3021   | Billing and Posting Clerks & Machine Operators  | 372               | 422               | 50                          | 13.4  | 5  | 9   | 14  | 9.87                 | 11                          |
| 43-3031   | Bookkeeping, Accounting, and Auditing Clerks    | 708               | 666               | -42                         | -5.9  | 0  | 14  | 14  | 11.34                | 10                          |
| 43-3051   | Payroll and Timekeeping Clerks                  | 103               | 96                | -7                          | -6.8  | 0  | 3   | 3   | 10.12                | 11                          |
| 43-3061   | Procurement Clerks                              | *                 | *                 | *                           | *     | *  | *   | *   | 14.22                | 11                          |
| 43-3071   | Tellers   | 365               | 337               | -28                         | -7.7  | 0  | 18  | 18  | 8.30                 | 11                          |
| 43-4000   | Information and Record Clerks                   | 1,127             | 1,333             | 206                         | 18.3  | 21   | 20  | 41  | n/a                  | n/a                         |
| 43-4031   | Court, Municipal, and License Clerks            | 72                | 95                | 23                          | 31.9  | 2  | 1   | 3   | 28.69                | 11                          |
| 43-4051   | Customer Service Representatives                | 327               | 420               | 93                          | 28.4  | 9  | 3   | 12  | 9.38                 | 10                          |
| 43-4071   | File Clerks                                     | 53                | 58                | 5                           | 9.4   | 1  | 2   | 3   | 7.54                 | 11                          |
| 43-4111   | Interviewers, Except Eligibility and Loan       | 69                | 97                | 28                          | 40.6  | 3  | 1   | 4   | 10.08                | 11                          |
| 43-4121   | Library Assistants, Clerical                    | 36                | 37                | 1                           | 2.8   | 0  | 2   | 2   | 8.44                 | 11                          |
| 43-4131   | Loan Interviewers and Clerks                    | 80                | 56                | -24                         | -30.0 | 0  | 1   | 1   | 10.82                | 11                          |
| 43-4151   | Order Clerks                                    | 50                | 41                | -9                          | -18.0 | 0  | 1   | 1   | 9.20                 | 11                          |
| 43-4161   | Human Res. Assist., Ex. Payroll & Timekeeping   | *                 | *                 | *                           | *     | *  | *   | *   | 13.38                | 11                          |
| 43-4171   | Receptionists and Information Clerks            | 312               | 387               | 75                          | 24.0  | 8  | 7   | 15  | 8.58                 | 11                          |
| 43-4999   | Financial, Info. & Record Clerks, All Other     | 65                | 72                | 7                           | 10.8  | 1  | 1   | 2   | 9.96                 | 11                          |
| 43-5000   | Material Record, Schedule, Dispatch, Distribute | 1,208             | 1,242             | 34                          | 2.8   | 3  | 35  | 38  | n/a                  | n/a                         |
| 43-5030   | Dispatchers                                     | 126               | 148               | 22                          | 17.5  | 2  | 2   | 4   | n/a                  | n/a                         |
| 43-5031   | Police, Fire, and Ambulance Dispatchers         | 62                | 79                | 17                          | 27.4  | 2  | 1   | 3   | 8.47                 | 10                          |
| 43-5032   | Dispatchers, Except Police, Fire, and Ambulance | 64                | 69                | 5                           | 7.8   | 1  | 1   | 2   | 11.62                | 10                          |
| 43-5041   | Meter Readers, Utilities                        | 53                | 35                | -18                         | -34.0 | 0  | 1   | 1   | 10.92                | 11                          |
| 43-5050   | Postal Service Workers                          | 200               | 185               | -15                         | -7.5  | 0  | 5   | 5   | n/a                  | n/a                         |
| 43-5051   | Postal Service Clerks                           | 54                | 50                | -4                          | -7.4  | 0  | 1   | 1   | 18.05                | 11                          |
| 43-5052   | Postal Service Mail Carriers                    | 60                | 56                | -4                          | -6.7  | 0  | 2   | 2   | 17.42                | 11                          |
| 43-5053   | Postal Service Mail Sorter, Processor           | 86                | 79                | -7                          | -8.1  | 0  | 2   | 2   | 11.03                | 11                          |
| 43-5061   | Production, Planning, and Expediting Clerks     | 33                | 38                | 5                           | 15.2  | 1  | 1   | 2   | 13.34                | 11                          |
| 43-5071   | Shipping, Receiving, and Traffic Clerks         | 95                | 103               | 8                           | 8.4   | 1  | 2   | 3   | 11.32                | 11                          |
| 43-5081   | Stock Clerks and Order Fillers                  | 567               | 614               | 47                          | 8.3   | 5  | 20  | 25  | 8.77                 | 11                          |

~ Education/Training Required Codes- Page 32

n/a - Not Available

\* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Big Sandy Area

## Office & Administrative Support Occs. (cont'd)

### Occupational Employment Outlook and Job Openings

| Occupational |  | Employment*       |                   | Change    |         | Job Openings             |             |       | Average Wage<br>2001 | Educ/<br>Training<br>Req'd- |
|--------------|--|-------------------|-------------------|-----------|---------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code         | Title  | 2000<br>Estimated | 2010<br>Projected | 2000-2010 |         | Average Annual 2000-2010 |             |       |                      |                             |
|              |  |                   |                   | Number    | Percent | Growth                   | Separations | Total |                      |                             |
| 43-6000      | Secretaries and Administrative Assistants        | 1,453             | 1,466             | 13        | 0.9     | 1                        | 25          | 26    | n/a                  | n/a                         |
| 43-6010      | Secretaries and Administrative Assistants        | 1,453             | 1,466             | 13        | 0.9     | 1                        | 25          | 26    | n/a                  | n/a                         |
| 43-6011      | Executive Secretaries & Administrative Assist.   | 296               | 300               | 4         | 1.4     | 0                        | 5           | 5     | 14.03                | 10                          |
| 43-6012      | Legal Secretaries                                | 123               | 131               | 8         | 6.5     | 1                        | 2           | 3     | 13.99                | 7                           |
| 43-6013      | Medical Secretaries                              | 212               | 230               | 18        | 8.5     | 2                        | 4           | 6     | 8.49                 | 7                           |
| 43-6014      | Secretaries, Except Legal, Medical & Executive   | 822               | 805               | -17       | -2.1    | 0                        | 14          | 14    | 8.85                 | 10                          |
| 43-9000      | Other Office & Administrative Support Workers    | 1,173             | 1,237             | 64        | 5.5     | 6                        | 22          | 28    | n/a                  | n/a                         |
| 43-9020      | Data Entry and Information Processing Workers    | 44                | 35                | -9        | -20.5   | 0                        | 1           | 1     | n/a                  | n/a                         |
| 43-9021      | Data Entry Keyers                                | 34                | 25                | -9        | -26.5   | 0                        | 1           | 1     | 9.09                 | 10                          |
| 43-9041      | Insurance Claims and Policy Processing Clerks    | *                 | *                 | *         | *       | *                        | *           | *     | 10.76                | 10                          |
| 43-9061      | Office Clerks, General                           | 744               | 792               | 48        | 6.5     | 5                        | 14          | 19    | 8.13                 | 11                          |
| 43-9999      | Secretary, Admin. Assist. & Other Office Support | *                 | *                 | *         | *       | *                        | *           | *     | 7.46                 | 11                          |

~ Education/Training Required Codes- Page 32

n/a - Not Available

\* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Big Sandy Area

## Farming, Fishing & Forestry Occs.

### Occupational Employment Outlook and Job Openings

| Occupational   |  | Employment*       |                   | Change              |                      | Job Openings             |                          |               | Average<br>Wage<br>2001 | Educ/<br>Training<br>Req'd~ |
|----------------|--|-------------------|-------------------|---------------------|----------------------|--------------------------|--------------------------|---------------|-------------------------|-----------------------------|
| Code           | Title  | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number | 2000-2010<br>Percent | Average Annual<br>Growth | 2000-2010<br>Separations | 2010<br>Total |                         |                             |
| <b>45-0000</b> | <b>Farming, Fishing, and Forestry Occupations</b>        | <b>227</b>        | <b>244</b>        | <b>17</b>           | <b>7.5</b>           | <b>2</b>                 | <b>6</b>                 | <b>8</b>      | <b>n/a</b>              | <b>n/a</b>                  |
| <b>45-1000</b> | <b>Supervisors, Farming, Fishing &amp; Forestry Work</b> | *                 | *                 | *                   | *                    | *                        | *                        | *             | <b>n/a</b>              | <b>n/a</b>                  |
| 45-1010        | Supervisors of Farming, Fishing & Forestry               | *                 | *                 | *                   | *                    | *                        | *                        | *             | n/a                     | n/a                         |
| <b>45-2000</b> | <b>Agricultural Workers</b>                              | <b>69</b>         | <b>71</b>         | <b>2</b>            | <b>2.9</b>           | <b>0</b>                 | <b>2</b>                 | <b>2</b>      | <b>n/a</b>              | <b>n/a</b>                  |
| 45-2090        | Miscellaneous Agricultural Workers                       | 62                | 62                | 0                   | 0.0                  | 0                        | 2                        | 2             | n/a                     | n/a                         |
| 45-2099        | Agricultural Workers, All Other                          | *                 | *                 | *                   | *                    | *                        | *                        | *             | n/a                     | n/a                         |
| <b>45-3000</b> | <b>Fishing and Hunting Workers</b>                       | <b>48</b>         | <b>54</b>         | <b>6</b>            | <b>12.5</b>          | <b>1</b>                 | <b>2</b>                 | <b>3</b>      | <b>n/a</b>              | <b>n/a</b>                  |
| 45-3010        | Fishers and Related Fishing Workers                      | 48                | 54                | 6                   | 12.5                 | 1                        | 2                        | 3             | n/a                     | n/a                         |
| <b>45-4000</b> | <b>Forest, Conservation, and Logging Workers</b>         | <b>80</b>         | <b>85</b>         | <b>5</b>            | <b>6.3</b>           | <b>1</b>                 | <b>2</b>                 | <b>3</b>      | <b>n/a</b>              | <b>n/a</b>                  |
| 45-4020        | Logging Workers  | 76                | 82                | 6                   | 7.9                  | 1                        | 1                        | 2             | n/a                     | n/a                         |
| <b>45-9000</b> | <b>Other Farming, Fishing, and Forestry Workers</b>      | <b>*</b>          | <b>*</b>          | <b>*</b>            | <b>*</b>             | <b>*</b>                 | <b>*</b>                 | <b>*</b>      | <b>n/a</b>              | <b>n/a</b>                  |

~ Education/Training Required Codes- Page 32

n/a - Not Available

\* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Big Sandy Area

## Construction & Extraction Occupations

### Occupational Employment Outlook and Job Openings

| Occupational   |  | Employment*       |                   | Change              |                      | Job Openings                       |             |            | Average Wage 2001 | Educ/ Training Req'd~ |
|----------------|--|-------------------|-------------------|---------------------|----------------------|------------------------------------|-------------|------------|-------------------|-----------------------|
| Code           | Title  | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number | 2000-2010<br>Percent | Average Annual 2000-2010<br>Growth | Separations | Total      |                   |                       |
| <b>47-0000</b> | <b>Construction and Extraction Occupations</b>           | <b>5,604</b>      | <b>5,393</b>      | <b>-211</b>         | <b>-3.8</b>          | <b>0</b>                           | <b>149</b>  | <b>149</b> | <b>n/a</b>        | <b>n/a</b>            |
| <b>47-1000</b> | <b>Supervisors, Construction &amp; Extraction Worker</b> | <b>970</b>        | <b>942</b>        | <b>-28</b>          | <b>-2.9</b>          | <b>0</b>                           | <b>22</b>   | <b>22</b>  | <b>n/a</b>        | <b>n/a</b>            |
| 47-1011        | Supervisors of Construction Trades & Extraction          | 970               | 942               | -28                 | -2.9                 | 0                                  | 22          | 22         | 20.11             | 8                     |
| <b>47-2000</b> | <b>Construction Trades Workers</b>                       | <b>2,126</b>      | <b>2,273</b>      | <b>147</b>          | <b>6.9</b>           | <b>15</b>                          | <b>39</b>   | <b>54</b>  | <b>n/a</b>        | <b>n/a</b>            |
| 47-2031        | Carpenters   | 284               | 290               | 6                   | 2.1                  | 1                                  | 5           | 6          | 18.71             | 9                     |
| 47-2051        | Cement Masons and Concrete Finishers                     | 36                | 43                | 7                   | 19.4                 | 1                                  | 0           | 1          | 13.84             | 9                     |
| 47-2061        | Construction Laborers                                    | 309               | 363               | 54                  | 17.5                 | 5                                  | 3           | 8          | 13.05             | 10                    |
| 47-2070        | Construction Equipment Operators                         | 713               | 635               | -78                 | -10.9                | 0                                  | 16          | 16         | n/a               | n/a                   |
| 47-2073        | Operating Engineers & Other Const. Equip. Ops            | 688               | 611               | -77                 | -11.2                | 0                                  | 15          | 15         | 15.99             | 10                    |
| 47-2111        | Electricians   | 360               | 415               | 55                  | 15.3                 | 6                                  | 7           | 13         | 16.99             | 9                     |
| 47-2121        | Glaziers   | 31                | 39                | 8                   | 25.8                 | 1                                  | 1           | 2          | 10.70             | 9                     |
| 47-2150        | Pipelayers, Plumbers, Pipefitters & Steamfitters         | 41                | 56                | 15                  | 36.6                 | 2                                  | 1           | 3          | n/a               | n/a                   |
| 47-2152        | Plumbers, Pipefitters, and Steamfitters                  | 39                | 54                | 15                  | 38.5                 | 2                                  | 1           | 3          | 10.92             | 9                     |
| 47-2221        | Structural Iron and Steel Workers                        | *                 | *                 | *                   | *                    | *                                  | *           | *          | 15.66             | 9                     |
| <b>47-3000</b> | <b>Helpers, Construction Trades</b>                      | <b>106</b>        | <b>127</b>        | <b>21</b>           | <b>19.8</b>          | <b>2</b>                           | <b>5</b>    | <b>7</b>   | <b>n/a</b>        | <b>n/a</b>            |
| 47-3010        | Helpers, Construction Trades                             | 106               | 127               | 21                  | 19.8                 | 2                                  | 5           | 7          | n/a               | n/a                   |
| 47-3012        | Helpers--Carpenters                                      | 61                | 56                | -5                  | -8.2                 | 0                                  | 3           | 3          | 9.55              | 11                    |
| 47-3016        | Helpers--Roofers   | *                 | *                 | *                   | *                    | *                                  | *           | *          | n/a               | 11                    |
| <b>47-4000</b> | <b>Other Construction and Related Workers</b>            | <b>218</b>        | <b>234</b>        | <b>16</b>           | <b>7.3</b>           | <b>2</b>                           | <b>4</b>    | <b>6</b>   | <b>n/a</b>        | <b>n/a</b>            |
| 47-4011        | Construction and Building Inspectors                     | *                 | *                 | *                   | *                    | *                                  | *           | *          | 10.37             | 8                     |
| 47-4051        | Highway Maintenance Workers                              | 167               | 188               | 21                  | 12.6                 | 2                                  | 3           | 5          | 8.53              | 10                    |
| <b>47-5000</b> | <b>Extraction Workers</b>                                | <b>2,184</b>      | <b>1,817</b>      | <b>-367</b>         | <b>-16.8</b>         | <b>0</b>                           | <b>79</b>   | <b>79</b>  | <b>n/a</b>        | <b>n/a</b>            |
| 47-5010        | Derrick, Rotary Drill & Service Unit Ops, Oil, Gas       | 73                | 64                | -9                  | -12.3                | 0                                  | 3           | 3          | n/a               | n/a                   |
| 47-5021        | Earth Drillers, Except Oil and Gas                       | 161               | 101               | -60                 | -37.3                | 0                                  | 3           | 3          | 13.26             | 10                    |
| 47-5031        | Explosives Work, Ordnance Handling Experts               | 71                | 61                | -10                 | -14.1                | 0                                  | 3           | 3          | 14.26             | n/a                   |
| 47-5040        | Mining Machine Operators                                 | 681               | 590               | -91                 | -13.4                | 0                                  | 24          | 24         | n/a               | n/a                   |
| 47-5041        | Continuous Mining Machine Operators                      | 587               | 508               | -79                 | -13.5                | 0                                  | 21          | 21         | 15.59             | 10                    |
| 47-5061        | Roof Bolters, Mining                                     | 557               | 481               | -76                 | -13.6                | 0                                  | 20          | 20         | 14.71             | n/a                   |
| 47-5081        | Helpers--Extraction Workers                              | 503               | 405               | -98                 | -19.5                | 0                                  | 23          | 23         | 13.41             | n/a                   |

~ Education/Training Required Codes- Page 32      n/a - Not Available      \* Employment under 30 and unreliable data suppressed  
Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch



# Big Sandy Area

## Installation, Maintenance & Repair Occs.

### Occupational Employment Outlook and Job Openings

| Occupational   |  | Employment*       |                   | Change              |                      | Job Openings                       |             |           | Average Wage 2001 | Educ/ Training Req'd~ |
|----------------|--|-------------------|-------------------|---------------------|----------------------|------------------------------------|-------------|-----------|-------------------|-----------------------|
| Code           | Title  | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number | 2000-2010<br>Percent | Average Annual 2000-2010<br>Growth | Separations | Total     |                   |                       |
| <b>49-0000</b> | <b>Installation, Maintenance &amp; Repair Occupations</b>    | <b>3,425</b>      | <b>3,420</b>      | <b>-5</b>           | <b>-0.1</b>          | <b>0</b>                           | <b>76</b>   | <b>76</b> | <b>n/a</b>        | <b>n/a</b>            |
| <b>49-1000</b> | <b>Supervisors of Installation, Maint. &amp; Repair Work</b> | <b>201</b>        | <b>220</b>        | <b>19</b>           | <b>9.5</b>           | <b>2</b>                           | <b>5</b>    | <b>7</b>  | <b>n/a</b>        | <b>n/a</b>            |
| 49-1011        | Supervisors of Mechanics, Installers                         | 201               | 220               | 19                  | 9.5                  | 2                                  | 5           | 7         | 18.26             | 8                     |
| <b>49-2000</b> | <b>Electrical &amp; Electronic Equip. Mech., Installers</b>  | <b>179</b>        | <b>200</b>        | <b>21</b>           | <b>11.7</b>          | <b>2</b>                           | <b>3</b>    | <b>5</b>  | <b>n/a</b>        | <b>n/a</b>            |
| 49-2020        | Radio & Telecommunications Equip. Installers                 | 82                | 89                | 7                   | 8.5                  | 1                                  | 2           | 3         | n/a               | n/a                   |
| 49-2021        | Radio Mechanics  | *                 | *                 | *                   | *                    | *                                  | *           | *         | 15.70             | 7                     |
| 49-2022        | Telecommunications Equip. Installer & Repairer               | 81                | 88                | 7                   | 8.6                  | 1                                  | 2           | 3         | 21.31             | 7                     |
| 49-2090        | Miscellaneous Electrical & Electronic Equipment              | 73                | 80                | 7                   | 9.6                  | 1                                  | 2           | 3         | n/a               | n/a                   |
| <b>49-3000</b> | <b>Vehicle &amp; Mobile Equip. Mechanics, Installers</b>     | <b>1,309</b>      | <b>1,410</b>      | <b>101</b>          | <b>7.7</b>           | <b>10</b>                          | <b>33</b>   | <b>43</b> | <b>n/a</b>        | <b>n/a</b>            |
| 49-3020        | Automotive Technicians and Repairers                         | 658               | 744               | 86                  | 13.1                 | 9                                  | 16          | 25        | n/a               | n/a                   |
| 49-3023        | Automotive Service Technicians and Mechanics                 | 499               | 576               | 77                  | 15.4                 | 8                                  | 12          | 20        | 9.99              | 7                     |
| 49-3031        | Bus, Truck Mechanics & Diesel Engine Spec.                   | 265               | 283               | 18                  | 6.8                  | 2                                  | 7           | 9         | 12.16             | 7                     |
| 49-3040        | Heavy Vehicle & Mobile Equip. Service Tech.                  | 350               | 345               | -5                  | -1.4                 | 0                                  | 9           | 9         | n/a               | n/a                   |
| 49-3042        | Mobile Heavy Equipment Mechanic, Ex. Engines                 | 335               | 335               | 0                   | 0.0                  | 0                                  | 9           | 9         | 17.44             | 7                     |
| 49-3043        | Rail Car Repairers   | *                 | *                 | *                   | *                    | *                                  | *           | *         | n/a               | 9                     |
| 49-3050        | Small Engine Mechanics                                       | 31                | 32                | 1                   | 3.2                  | 0                                  | 1           | 1         | n/a               | n/a                   |
| 49-3090        | Misc. Vehicle and Mobile Equipment Mechanics                 | *                 | *                 | *                   | *                    | *                                  | *           | *         | n/a               | n/a                   |
| 49-3099        | Vehicle & Mobile Equipment Mechanic, Installer               | *                 | *                 | *                   | *                    | *                                  | *           | *         | n/a               | 10                    |
| <b>49-9000</b> | <b>Other Installation, Maint. &amp; Repair Occupations</b>   | <b>1,736</b>      | <b>1,590</b>      | <b>-146</b>         | <b>-8.4</b>          | <b>0</b>                           | <b>35</b>   | <b>35</b> | <b>n/a</b>        | <b>n/a</b>            |
| 49-9010        | Control and Valve Installers and Repairers                   | 35                | 39                | 4                   | 11.4                 | 0                                  | 1           | 1         | n/a               | n/a                   |
| 49-9021        | Heating, Air Conditioning & Refrigeration Mech.              | 45                | 58                | 13                  | 28.9                 | 1                                  | 1           | 2         | 10.21             | 9                     |
| 49-9040        | Industrial Machinery Install., Repair & Maint.               | 1,215             | 1,069             | -146                | -12.0                | 0                                  | 21          | 21        | n/a               | n/a                   |
| 49-9041        | Industrial Machinery Mechanics                               | 179               | 163               | -16                 | -8.9                 | 0                                  | 5           | 5         | 16.07             | 9                     |
| 49-9042        | Maintenance and Repair Workers, General                      | 845               | 738               | -107                | -12.7                | 0                                  | 11          | 11        | 12.96             | 9                     |
| 49-9043        | Maintenance Workers, Machinery                               | 186               | 160               | -26                 | -14.0                | 0                                  | 5           | 5         | 12.15             | 9                     |
| 49-9050        | Line Installers and Repairers                                | 248               | 230               | -18                 | -7.3                 | 0                                  | 7           | 7         | n/a               | n/a                   |
| 49-9052        | Telecommunications Line Installers & Repairers               | 47                | 55                | 8                   | 17.0                 | 1                                  | 1           | 2         | 12.16             | 9                     |
| 49-9060        | Precision Instrument and Equipment Repairers                 | 40                | 52                | 12                  | 30.0                 | 1                                  | 1           | 2         | n/a               | n/a                   |
| 49-9062        | Medical Equipment Repairers                                  | *                 | *                 | *                   | *                    | *                                  | *           | *         | 12.29             | 10                    |
| 49-9090        | Misc. Installation, Maintenance & Repair Worker              | 153               | 141               | -12                 | -7.8                 | 0                                  | 4           | 4         | n/a               | n/a                   |
| 49-9097        | Signal and Track Switch Repairers                            | *                 | *                 | *                   | *                    | *                                  | *           | *         | n/a               | 9                     |

~ Education/Training Required Codes- Page 32      n/a - Not Available      \* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Big Sandy Area

## Production Occupations

### Occupational Employment Outlook and Job Openings

| Occupational                   |   | Employment*       |                   | Change              |                 | Job Openings             |             |       | Average Wage<br>2001 | Educ/<br>Training<br>Req'd~ |
|--------------------------------|---|-------------------|-------------------|---------------------|-----------------|--------------------------|-------------|-------|----------------------|-----------------------------|
| Code                           | Title   | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number | 2010<br>Percent | Average Annual 2000-2010 |             |       |                      |                             |
|                                |   |                   |                   |                     |                 | Growth                   | Separations | Total |                      |                             |
| 51-0000 Production Occupations |   | 2,223             | 2,282             | 59                  | 2.7             | 6                        | 53          | 59    | n/a                  | n/a                         |
| 51-1000                        | Supervisors, Production Workers                 | 108               | 101               | -7                  | -6.5            | 0                        | 3           | 3     | n/a                  | n/a                         |
| 51-1011                        | Supervisors of Production and Operating         | 108               | 101               | -7                  | -6.5            | 0                        | 3           | 3     | 18.55                | 8                           |
| 51-2000                        | Assemblers and Fabricators                      | 237               | 196               | -41                 | -17.3           | 0                        | 4           | 4     | n/a                  | n/a                         |
| 51-2020                        | Electrical, Electronics & Electromech. Assemb.  | *                 | *                 | *                   | *               | *                        | *           | *     | n/a                  | n/a                         |
| 51-2090                        | Miscellaneous Assemblers and Fabricators        | 209               | 161               | -48                 | -23.0           | 0                        | 4           | 4     | n/a                  | n/a                         |
| 51-3000                        | Food Processing Workers                         | 225               | 220               | -5                  | -2.2            | 0                        | 4           | 4     | n/a                  | n/a                         |
| 51-3011                        | Bakers  | *                 | *                 | *                   | *               | *                        | *           | *     | 8.69                 | 9                           |
| 51-3020                        | Butchers, Other Meat, Poultry & Fish Processing | 85                | 63                | -22                 | -25.9           | 0                        | 2           | 2     | n/a                  | n/a                         |
| 51-3021                        | Butchers and Meat Cutters                       | 81                | 56                | -25                 | -30.9           | 0                        | 2           | 2     | 8.30                 | 9                           |
| 51-4000                        | Metal Workers and Plastic Workers               | 405               | 441               | 36                  | 8.9             | 4                        | 10          | 14    | n/a                  | n/a                         |
| 51-4030                        | Machine Tool Cutting Setter, Operator & Tender  | 35                | 31                | -4                  | -11.4           | 0                        | 1           | 1     | n/a                  | n/a                         |
| 51-4031                        | Cutting, Punching, Press Mach. Setter, Operator | *                 | *                 | *                   | *               | *                        | *           | *     | 10.14                | 10                          |
| 51-4041                        | Machinists                                      | 36                | 31                | -5                  | -13.9           | 0                        | 1           | 1     | 13.08                | 9                           |
| 51-4120                        | Welding, Soldering, and Brazing Workers         | 265               | 303               | 38                  | 14.3            | 4                        | 8           | 12    | n/a                  | n/a                         |
| 51-4121                        | Welders, Cutters, Solderers, and Brazers        | 261               | 297               | 36                  | 13.8            | 4                        | 7           | 11    | 10.83                | 7                           |
| 51-4190                        | Miscellaneous Metalworkers & Plastic Workers    | *                 | *                 | *                   | *               | *                        | *           | *     | n/a                  | n/a                         |
| 51-5000                        | Printing Workers                                | *                 | *                 | *                   | *               | *                        | *           | *     | n/a                  | n/a                         |
| 51-6000                        | Textile, Apparel, and Furnishings Workers       | 160               | 173               | 13                  | 8.1             | 1                        | 4           | 5     | n/a                  | n/a                         |
| 51-6011                        | Laundry and Dry-Cleaning Workers                | 93                | 100               | 7                   | 7.5             | 1                        | 3           | 4     | 7.15                 | 10                          |
| 51-6041                        | Shoe and Leather Workers and Repairers          | *                 | *                 | *                   | *               | *                        | *           | *     | n/a                  | 9                           |
| 51-7000                        | Woodworkers                                     | 115               | 150               | 35                  | 30.4            | 4                        | 4           | 8     | n/a                  | n/a                         |
| 51-7040                        | Woodworking Machine Setter, Operator            | 57                | 67                | 10                  | 17.5            | 1                        | 2           | 3     | n/a                  | n/a                         |
| 51-8000                        | Plant and System Operators                      | 230               | 197               | -33                 | -14.3           | 0                        | 7           | 7     | n/a                  | n/a                         |
| 51-8010                        | Power Plant Operator, Distributor & Dispatcher  | *                 | *                 | *                   | *               | *                        | *           | *     | n/a                  | n/a                         |
| 51-8012                        | Power Distributors and Dispatchers              | *                 | *                 | *                   | *               | *                        | *           | *     | n/a                  | n/a                         |
| 51-8090                        | Miscellaneous Plant and System Operators        | 168               | 129               | -39                 | -23.2           | 0                        | 5           | 5     | n/a                  | n/a                         |
| 51-9000                        | Other Production Occupations                    | 731               | 788               | 57                  | 7.8             | 6                        | 16          | 22    | n/a                  | n/a                         |
| 51-9020                        | Crush, Grind, Polish, Mix & Blending Workers    | 100               | 112               | 12                  | 12.0            | 1                        | 2           | 3     | n/a                  | n/a                         |
| 51-9061                        | Inspector, Tester, Sorter, Sampler & Weigher    | 135               | 140               | 5                   | 3.7             | 1                        | 3           | 4     | 17.03                | 10                          |
| 51-9120                        | Painting Workers                                | *                 | *                 | *                   | *               | *                        | *           | *     | n/a                  | n/a                         |
| 51-9122                        | Painters, Transportation Equipment              | *                 | *                 | *                   | *               | *                        | *           | *     | 10.08                | 10                          |
| 51-9190                        | Miscellaneous Production Workers                | 134               | 126               | -8                  | -6.0            | 0                        | 3           | 3     | n/a                  | n/a                         |

~ Education/Training Required Codes- Page 32

n/a - Not Available

\* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Big Sandy Area

## Transportation & Material Moving Occs.

### Occupational Employment Outlook and Job Openings

| Occupational   |  | Employment*       |                   | Change              |                      | Job Openings             |             |       | Average Wage 2001 | Educ/ Training Req'd~ |
|--|--|-------------------|-------------------|---------------------|----------------------|--------------------------|-------------|-------|-------------------|-----------------------|
| Code   | Title  | 2000<br>Estimated | 2010<br>Projected | 2000-2010<br>Number | 2000-2010<br>Percent | Average Annual 2000-2010 |             |       |                   |                       |
|  |  |                   |                   |                     |                      | Growth                   | Separations | Total |                   |                       |
| 53-0000 Transportation and Material Moving Occupations |  | 5,361             | 5,123             | -238                | -4.4                 | 0                        | 127         | 127   | n/a               | n/a                   |
| 53-1000  | Supervisors, Transp. & Material Moving Worker    | 76                | 83                | 7                   | 9.2                  | 1                        | 2           | 3     | n/a               | n/a                   |
| 53-1021  | Supervisors of Helpers, Laborers & Materials     | 36                | 40                | 4                   | 11.1                 | 0                        | 1           | 1     | 15.94             | 8                     |
| 53-1031  | Supervisors of Transportation & Material Moving  | 39                | 41                | 2                   | 5.1                  | 0                        | 1           | 1     | 15.81             | 8                     |
| 53-3000  | Motor Vehicle Operators                          | 2,610             | 2,657             | 47                  | 1.8                  | 5                        | 42          | 47    | n/a               | n/a                   |
| 53-3020  | Bus Drivers                                      | 524               | 507               | -17                 | -3.2                 | 0                        | 13          | 13    | n/a               | n/a                   |
| 53-3030  | Driver/Sales Workers and Truck Drivers           | 1,989             | 2,043             | 54                  | 2.7                  | 5                        | 27          | 32    | n/a               | n/a                   |
| 53-3031  | Driver/Sales Workers                             | 97                | 107               | 10                  | 10.3                 | 1                        | 1           | 2     | 7.09              | 11                    |
| 53-3032  | Truck Drivers, Heavy and Tractor-Trailer         | 1,362             | 1,399             | 37                  | 2.7                  | 4                        | 19          | 23    | 12.95             | 10                    |
| 53-3033  | Truck Drivers, Light or Delivery Services        | 530               | 537               | 7                   | 1.3                  | 1                        | 7           | 8     | 8.72              | 11                    |
| 53-3041  | Taxi Drivers and Chauffeurs                      | 94                | 104               | 10                  | 10.6                 | 1                        | 1           | 2     | 7.29              | 11                    |
| 53-4000  | Rail Transportation Workers                      | 139               | 102               | -37                 | -26.6                | 0                        | 6           | 6     | n/a               | n/a                   |
| 53-4010  | Locomotive Engineers and Operators               | 56                | 52                | -4                  | -7.1                 | 0                        | 2           | 2     | n/a               | n/a                   |
| 53-4011  | Locomotive Engineers                             | 55                | 51                | -4                  | -7.3                 | 0                        | 2           | 2     | n/a               | 11                    |
| 53-4012  | Locomotive Firers                                | *                 | *                 | *                   | *                    | *                        | *           | *     | n/a               | 10                    |
| 53-4021  | Railroad Brake, Signal, and Switch Operators     | *                 | *                 | *                   | *                    | *                        | *           | *     | n/a               | 8                     |
| 53-4031  | Railroad Conductors and Yardmasters              | 53                | 39                | -14                 | -26.4                | 0                        | 2           | 2     | n/a               | 8                     |
| 53-4041  | Subway and Streetcar Operators                   | *                 | *                 | *                   | *                    | *                        | *           | *     | n/a               | 11                    |
| 53-4099  | Rail Transportation Workers, All Other           | *                 | *                 | *                   | *                    | *                        | *           | *     | n/a               | 11                    |
| 53-6000  | Other Transportation Workers                     | 137               | 106               | -31                 | -22.6                | 0                        | 7           | 7     | n/a               | n/a                   |
| 53-7000  | Material Moving Workers                          | 2,398             | 2,175             | -223                | -9.3                 | 0                        | 71          | 71    | n/a               | n/a                   |
| 53-7030  | Dredge, Excavating & Loading Mach. Operators     | 498               | 382               | -116                | -23.3                | 0                        | 14          | 14    | n/a               | n/a                   |
| 53-7032  | Excavating, Loading Mach. & Dragline Operator    | 214               | 187               | -27                 | -12.6                | 0                        | 6           | 6     | 13.02             | 10                    |
| 53-7033  | Loading Machine Ops, Underground Mining          | 284               | 195               | -89                 | -31.3                | 0                        | 8           | 8     | 15.27             | n/a                   |
| 53-7051  | Industrial Truck and Tractor Operators           | 192               | 197               | 5                   | 2.6                  | 1                        | 3           | 4     | 11.02             | 11                    |
| 53-7060  | Laborers and Material Movers, Hand               | 979               | 937               | -42                 | -4.3                 | 0                        | 32          | 32    | n/a               | n/a                   |
| 53-7061  | Cleaners of Vehicles and Equipment               | 65                | 71                | 6                   | 9.2                  | 1                        | 3           | 4     | 8.58              | 11                    |
| 53-7062  | Laborers, Freight, Stock & Material Movers, Hand | 815               | 773               | -42                 | -5.2                 | 0                        | 27          | 27    | 8.20              | 11                    |
| 53-7064  | Packers and Packagers, Hand                      | *                 | *                 | *                   | *                    | *                        | *           | *     | 7.15              | 11                    |
| 53-7070  | Pumping Station Operators                        | 68                | 60                | -8                  | -11.8                | 0                        | 2           | 2     | n/a               | n/a                   |
| 53-7072  | Pump Operators, Except Wellhead Pumpers          | *                 | *                 | *                   | *                    | *                        | *           | *     | 19.25             | 10                    |
| 53-7073  | Wellhead Pumpers                                 | 38                | 35                | -3                  | -7.9                 | 0                        | 1           | 1     | 9.33              | n/a                   |
| 53-7081  | Refuse and Recyclable Material Collectors        | 139               | 156               | 17                  | 12.2                 | 2                        | 6           | 8     | 9.53              | 11                    |
| 53-7111  | Shuttle Car Operators                            | 413               | 347               | -66                 | -16.0                | 0                        | 11          | 11    | 14.19             | n/a                   |

~ Education/Training Required Codes- Page 32      n/a - Not Available      \* Employment under 30 and unreliable data suppressed  
Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

## Educational Classifications

Occupations are classified into one of eleven categories listed according to these principles:

- An occupation is placed into the category that best describes the education or training needed by most workers to become fully qualified.
- Postsecondary awards, if generally needed for entry into the occupation, take precedence over work-related training even though additional skills or experience may be needed for a worker to become fully qualified.
- The length of time an average worker generally needs to become fully qualified through a combination of on-the-job training and experience is used to categorize occupations in which a post secondary award generally is needed for entry.

### Postsecodary awards

**(1) *First professional degree.*** Completion of the degree usually requires at least 3 years of full-time academic study beyond a bachelor's degree.

**(2) *Doctoral degree.*** Completion of a Ph.D. or other doctoral degree usually requiries at least 3 years of full-time academic study beyond a bachelor's degree.

**(3) *Master's degree.*** Completion of the degree usually requires 1 or 2 years of full time academic study beyond a bachelor's degree.

**(4) *Bachelor's degree.*** Completion of the degree generally requires at least 4 years, but not more than 5 years, of full-time academic study.

**(5) *Bachelor's or higher degree, plus work experience.*** Most occupations in this category are management occupations. All require experience in a related non-management position for which a bachelor's or higher degree is usually required.

**(6) *Associate degree.*** Completion of the degree usually requires at least 2 years of full-time academic study.

**(7) *Postsecondary vocational awards.*** Some programs last only a few weeks while others may last more than a year. Programs lead to a certificate or other award, but not a degree.

### Work-related training

**(8) *Work experience in a related occupation.*** Many occupations requiring work experience are first-line supervisors/managers of service, sales and related, production, or other occupations, or are management occupations.

**(9) *Long-term on-the-job training.*** More than 12 months on on-the-job training or combined work experience and formal classroom instruction are needed for workers to develop the skills necessary to be fully qualified. This category includes formal and informal apprenticeships that may last up to 5 years. Long-term on-the-job training also includes intensive occupation-specific, employer-sponsored programs that workers must successfully complete. These include fire and police academies and schools for air traffic controllers and flight attendants. In other occupations—insurance sales and securities sales, for example—trainees take formal courses, often provided on the job site, to prepare for the required licensing exams. Individuals undergoing training generally are considered to be employed in the occupation. Also included in this category is the development of a natural ability—such as that possessed by musicians, atheletes, actors, and other entertainers—that must be cultivated over several years, frequently in a nonwork setting.

**(10) *Moderate-term on-the-job training.*** Skills needed to be fully qualified can be acquired during 1 to 12 months of combined on-the-job experience and informal training.

**(11) *Short-term on-the-job training.*** Skills needed to be fully qulaified can be acquired during a short demonstration of job duties or during 1 month or less of on-the-job experience or instruction.

| Occupational Title | SOC Code | Page Number |
|--------------------|----------|-------------|
|--------------------|----------|-------------|

--- A ---

|  |         |    |
|--|---------|----|
| Accountants and Auditors                       | 13-2011 | 10 |
| Actors, Producers, and Directors               | 27-2010 | 17 |
| Administrative Services Managers               | 11-3011 | 9  |
| Advertising Sales Agents                       | 41-3011 | 24 |
| Advertising, Marketing, Promotions, PR & Sales | 11-2000 | 9  |
| Agricultural Managers                          | 11-9010 | 9  |
| Agricultural Workers                           | 45-2000 | 27 |
| Agricultural Workers, All Other                | 45-2099 | 27 |
| Animal Care and Service Workers                | 39-2000 | 23 |
| Animal Trainers                                | 39-2011 | 23 |
| Announcers                                     | 27-3010 | 17 |
| Architects, Surveyors, and Cartographers       | 17-1000 | 12 |
| Architectural and Civil Drafters               | 17-3011 | 12 |
| Art and Design Workers                         | 27-1000 | 17 |
| Arts, Comm. & Humanities Teacher, Postsec.     | 25-1120 | 16 |
| Assemblers and Fabricators                     | 51-2000 | 30 |
| Automotive Service Technicians and Mechanics   | 49-3023 | 29 |
| Automotive Technicians and Repairers           | 49-3020 | 29 |

--- B ---

|   |         |    |
|---|---------|----|
| Bailiffs, Correctional Officers, and Jailers    | 33-3010 | 20 |
| Bakers  | 51-3011 | 30 |
| Barbers and Cosmetologists                      | 39-5010 | 23 |
| Bill and Account Collectors                     | 43-3011 | 25 |
| Billing and Posting Clerks & Machine Operators  | 43-3021 | 25 |
| Biological Scientists                           | 19-1020 | 13 |
| Bookkeeping, Accounting, and Auditing Clerks    | 43-3031 | 25 |
| Broadcast, Sound Engineering Tech., Radio Ops   | 27-4010 | 17 |
| Building Cleaning and Pest Control Workers      | 37-2000 | 22 |
| Building Cleaning Workers                       | 37-2010 | 22 |
| Bus Drivers                                     | 53-3020 | 31 |
| Bus, Truck Mechanics & Diesel Engine Spec.      | 49-3031 | 29 |
| Business Operations Specialists                 | 13-1000 | 10 |
| Business Operations Specialists, All Other      | 13-1199 | 10 |
| Butchers and Meat Cutters                       | 51-3021 | 30 |
| Butchers, Other Meat, Poultry & Fish Processing | 51-3020 | 30 |
| Buyers and Purchasing Agents                    | 13-1020 | 10 |

| Occupational Title | SOC Code | Page Number |
|--------------------|----------|-------------|
|--------------------|----------|-------------|

--- C ---

|   |         |    |
|---|---------|----|
| Carpenters  | 47-2031 | 28 |
| Cashiers  | 41-2010 | 24 |
| Cashiers  | 41-2011 | 24 |
| Cement Masons and Concrete Finishers              | 47-2051 | 28 |
| Chemists and Materials Scientists                 | 19-2030 | 13 |
| Chief Executives                                  | 11-1011 | 9  |
| Child, Family, and School Social Workers          | 21-1021 | 14 |
| Cleaners of Vehicles and Equipment                | 53-7061 | 31 |
| Clinical Laboratory Technologists & Technicians   | 29-2010 | 18 |
| Combined Food Prep. and Serving Workers           | 35-3021 | 21 |
| Communications Equipment Operators                | 43-2000 | 25 |
| Compliance Officer, Ex. Ag., Construction, Health | 13-1041 | 10 |
| Computer Programmers                              | 15-1021 | 11 |
| Computer Specialists                              | 15-1000 | 11 |
| Computer Specialists, All Other                   | 15-1099 | 11 |
| Computer Support Specialists                      | 15-1041 | 11 |
| Conservation Scientists                           | 19-1031 | 13 |
| Conservation Scientists and Foresters             | 19-1030 | 13 |
| Construction and Building Inspectors              | 47-4011 | 28 |
| Construction Equipment Operators                  | 47-2070 | 28 |
| Construction Laborers                             | 47-2061 | 28 |
| Construction Managers                             | 11-9021 | 9  |
| Construction Trades Workers                       | 47-2000 | 28 |
| Continuous Mining Machine Operators               | 47-5041 | 28 |
| Control and Valve Installers and Repairers        | 49-9010 | 29 |
| Cooks   | 35-2010 | 21 |
| Cooks and Food Preparation Workers                | 35-2000 | 21 |
| Cooks, Fast Food                                  | 35-2011 | 21 |
| Cooks, Institution and Cafeteria                  | 35-2012 | 21 |
| Cooks, Private Household                          | 35-2013 | 21 |
| Cooks, Short Order                                | 35-2015 | 21 |
| Correctional Officers and Jailers                 | 33-3012 | 20 |
| Cost Estimators                                   | 13-1051 | 10 |
| Counselor, Social & Religious Worker, All Other   | 21-9099 | 14 |
| Counselor, Social Worker & Other Community        | 21-1000 | 14 |
| Counselors  | 21-1010 | 14 |
| Counter and Rental Clerks                         | 41-2021 | 24 |
| Counter, Rental Clerks and Parts Salespersons     | 41-2020 | 24 |
| Court, Municipal, and License Clerks              | 43-4031 | 25 |

| Occupational Title | SOC Code | Page Number |
|--------------------|----------|-------------|
|--------------------|----------|-------------|

|   |         |    |
|---|---------|----|
| Crush, Grind, Polish, Mix & Blending Workers    | 51-9020 | 30 |
| Customer Service Representatives                | 43-4051 | 25 |
| Cutting, Punching, Press Mach. Setter, Operator | 51-4031 | 30 |

--- D ---

|  |         |    |
|--|---------|----|
| Data Entry and Information Processing Workers      | 43-9020 | 26 |
| Data Entry Keyers                                  | 43-9021 | 26 |
| Derrick, Rotary Drill & Service Unit Ops, Oil, Gas | 47-5010 | 28 |
| Designers  | 27-1020 | 17 |
| Diagnostic Related Technologists & Technicians     | 29-2030 | 18 |
| Dispatchers  | 43-5030 | 25 |
| Dispatchers, Except Police, Fire, and Ambulance    | 43-5032 | 25 |
| Drafters   | 17-3010 | 12 |
| Drafters, Engineering & Mapping Tech., All Other   | 17-3099 | 12 |
| Drafters, Engineering, and Mapping Technicians     | 17-3000 | 12 |
| Dredge, Excavating & Loading Mach. Operators       | 53-7030 | 31 |
| Driver/Sales Workers                               | 53-3031 | 31 |
| Driver/Sales Workers and Truck Drivers             | 53-3030 | 31 |

--- E ---

|  |         |    |
|--|---------|----|
| Earth Drillers, Except Oil and Gas               | 47-5021 | 28 |
| Education Admin., Elementary & Secondary         | 11-9032 | 9  |
| Education Administrators                         | 11-9030 | 9  |
| Education Administrators, Postsecondary          | 11-9033 | 9  |
| Educational, Vocational, and School Counselors   | 21-1012 | 14 |
| Electrical & Electronic Equip. Mech., Installers | 49-2000 | 29 |
| Electrical, Electronics & Electromech. Assemb.   | 51-2020 | 30 |
| Electricians                                     | 47-2111 | 28 |
| Elementary and Middle School Teachers            | 25-2020 | 16 |
| Elementary School Teachers, Ex. Special Ed.      | 25-2021 | 16 |
| Emergency Medical Technicians & Paramedics       | 29-2041 | 18 |
| Engineering Technicians, Except Drafters         | 17-3020 | 12 |
| Engineers  | 17-2000 | 12 |
| Entertainer, Performer, Sports & Related Work    | 27-2000 | 17 |
| Entertainment Attendants & Related Workers       | 39-3000 | 23 |
| Environmental Scientists and Geoscientists       | 19-2040 | 13 |

| Occupational Title | SOC Code | Page Number |
|--------------------|----------|-------------|
|--------------------|----------|-------------|

|  |         |    |
|--|---------|----|
| Excavating, Loading Mach. & Dragline Operator  | 53-7032 | 31 |
| Executive Secretaries & Administrative Assist. | 43-6011 | 26 |
| Explosives Work, Ordnance Handling Experts     | 47-5031 | 28 |
| Extraction Workers                             | 47-5000 | 28 |

--- F ---

|   |         |    |
|---|---------|----|
| Family and General Practitioners            | 29-1062 | 18 |
| Farmers and Ranchers                        | 11-9012 | 9  |
| Fast Food and Counter Workers               | 35-3020 | 21 |
| File Clerks                                 | 43-4071 | 25 |
| Financial Analysts and Advisors             | 13-2050 | 10 |
| Financial Clerks                            | 43-3000 | 25 |
| Financial Managers                          | 11-3031 | 9  |
| Financial Specialists                       | 13-2000 | 10 |
| Financial Specialists, All Other            | 13-2099 | 10 |
| Financial, Info. & Record Clerks, All Other | 43-4999 | 25 |
| Fire Fighters                               | 33-2011 | 20 |
| Fire Fighting and Prevention Workers        | 33-2000 | 20 |
| Fishers and Related Fishing Workers         | 45-3010 | 27 |
| Fishing and Hunting Workers                 | 45-3000 | 27 |
| Food and Beverage Serving Workers           | 35-3000 | 21 |
| Food Preparation Workers                    | 35-2021 | 21 |
| Food Processing Workers                     | 51-3000 | 30 |
| Food Service Managers                       | 11-9051 | 9  |
| Forest and Conservation Technicians         | 19-4093 | 13 |
| Forest, Conservation, and Logging Workers   | 45-4000 | 27 |
| Funeral Directors                           | 11-9061 | 9  |
| Funeral Service Workers                     | 39-4000 | 23 |

--- G ---

|   |         |    |
|---|---------|----|
| General and Operations Managers               | 11-1021 | 9  |
| Geoscientists, Ex. Hydrologists & Geographers | 19-2042 | 13 |
| Glaziers                                      | 47-2121 | 28 |
| Grounds Maintenance Workers                   | 37-3000 | 22 |
| Grounds Maintenance Workers                   | 37-3010 | 22 |



| Occupational Title | SOC Code | Page Number |
|--------------------|----------|-------------|
|--------------------|----------|-------------|

--- H ---

|  |         |    |
|--|---------|----|
| Hairdressers, Hairstylists, and Cosmetologists   | 39-5012 | 23 |
| Health Diagnosing and Treating Practitioners     | 29-1000 | 18 |
| Health Diagnosing, Treating Pract. Support Tech. | 29-2050 | 18 |
| Health Teachers, Postsecondary                   | 25-1070 | 16 |
| Health Technologists and Technicians             | 29-2000 | 18 |
| Healthcare Support Workers, All Other            | 31-9099 | 19 |
| Heating, Air Conditioning & Refrigeration Mech.  | 49-9021 | 29 |
| Heavy Vehicle & Mobile Equip. Service Tech.      | 49-3040 | 29 |
| Helpers, Construction Trades                     | 47-3000 | 28 |
| Helpers, Construction Trades                     | 47-3010 | 28 |
| Helpers--Carpenters                              | 47-3012 | 28 |
| Helpers--Extraction Workers                      | 47-5081 | 28 |
| Helpers--Roofers                                 | 47-3016 | 28 |
| Highway Maintenance Workers                      | 47-4051 | 28 |
| Home Health Aides                                | 31-1011 | 19 |
| Human Res. Assist., Ex. Payroll & Timekeeping    | 43-4161 | 25 |
| Human Res., Training & Labor Relations Spec.     | 13-1070 | 10 |
| Human Resources Managers                         | 11-3040 | 9  |

--- I ---

|  |         |    |
|--|---------|----|
| Industrial Machinery Install., Repair & Maint. | 49-9040 | 29 |
| Industrial Machinery Mechanics                 | 49-9041 | 29 |
| Industrial Truck and Tractor Operators         | 53-7051 | 31 |
| Information and Record Clerks                  | 43-4000 | 25 |
| Inspector, Tester, Sorter, Sampler & Weigher   | 51-9061 | 30 |
| Insurance Claims and Policy Processing Clerks  | 43-9041 | 26 |
| Insurance Sales Agents                         | 41-3021 | 24 |
| Interviewers, Except Eligibility and Loan      | 43-4111 | 25 |

--- J ---

|   |         |    |
|---|---------|----|
| Janitors & Cleaners, Ex. Maids & Housekeeping   | 37-2011 | 22 |
| Judges, Magistrates, and Other Judicial Workers | 23-1020 | 15 |

| Occupational Title | SOC Code | Page Number |
|--------------------|----------|-------------|
|--------------------|----------|-------------|

--- L ---

|  |         |    |
|--|---------|----|
| Laborers and Material Movers, Hand               | 53-7060 | 31 |
| Laborers, Freight, Stock & Material Movers, Hand | 53-7062 | 31 |
| Landscaping and Groundskeeping Workers           | 37-3011 | 22 |
| Laundry and Dry-Cleaning Workers                 | 51-6011 | 30 |
| Law Enforcement Workers                          | 33-3000 | 20 |
| Lawyers  | 23-1011 | 15 |
| Lawyers, Judges, and Related Workers             | 23-1000 | 15 |
| Legal and Related Workers, All Other             | 23-9099 | 15 |
| Legal Secretaries                                | 43-6012 | 26 |
| Legal Support Workers                            | 23-2000 | 15 |
| Librarians                                       | 25-4021 | 16 |
| Librarians, Curators, and Archivists             | 25-4000 | 16 |
| Library Assistants, Clerical                     | 43-4121 | 25 |
| Licensed Practical & Vocational Nurses           | 29-2061 | 18 |
| Life Scientists                                  | 19-1000 | 13 |
| Life, Physical & Social Science Tech., All Other | 19-4099 | 13 |
| Life, Physical, and Social Science Technicians   | 19-4000 | 13 |
| Line Installers and Repairers                    | 49-9050 | 29 |
| Loading Machine Ops, Underground Mining          | 53-7033 | 31 |
| Loan Interviewers and Clerks                     | 43-4131 | 25 |
| Loan Officers                                    | 13-2072 | 10 |
| Locomotive Engineers                             | 53-4011 | 31 |
| Locomotive Engineers and Operators               | 53-4010 | 31 |
| Locomotive Firers                                | 53-4012 | 31 |
| Logging Workers                                  | 45-4020 | 27 |

--- M ---

|  |         |    |
|--|---------|----|
| Machine Tool Cutting Setter, Operator & Tender | 51-4030 | 30 |
| Machinists                                     | 51-4041 | 30 |
| Maids and Housekeeping Cleaners                | 37-2012 | 22 |
| Maintenance and Repair Workers, General        | 49-9042 | 29 |
| Maintenance Workers, Machinery                 | 49-9043 | 29 |
| Management Analysts                            | 13-1111 | 10 |
| Managers, All Other                            | 11-9199 | 9  |

| Occupational Title                               | SOC Code | Page Number |
|--|----------|-------------|
| Marketing and Sales Managers                     | 11-2020  | 9           |
| Material Moving Workers                          | 53-7000  | 31          |
| Material Record, Schedule, Dispatch, Distribute  | 43-5000  | 25          |
| Math and Computer Teachers, Postsecondary        | 25-1020  | 16          |
| Media and Communication Equipment Workers        | 27-4000  | 17          |
| Media and Communication Workers                  | 27-3000  | 17          |
| Medical and Clinical Laboratory Technologists    | 29-2011  | 18          |
| Medical and Health Services Managers             | 11-9111  | 9           |
| Medical and Public Health Social Workers         | 21-1022  | 14          |
| Medical Assistants                               | 31-9092  | 19          |
| Medical Equipment Repairers                      | 49-9062  | 29          |
| Medical Records & Health Information Tech.       | 29-2071  | 18          |
| Medical Secretaries                              | 43-6013  | 26          |
| Medical Transcriptionists                        | 31-9094  | 19          |
| Mental Health & Substance Abuse Social Worker    | 21-1023  | 14          |
| Metal Workers and Plastic Workers                | 51-4000  | 30          |
| Meter Readers, Utilities                         | 43-5041  | 25          |
| Middle School Teachers, Ex. Special & Voc. Ed.   | 25-2022  | 16          |
| Mining & Geological Engineer, Inc. Mining Safety | 17-2151  | 12          |
| Mining Machine Operators                         | 47-5040  | 28          |
| Misc. Building, Grounds Cleaning & Maint. Work   | 37-9000  | 22          |
| Misc. Community and Social Service Specialists   | 21-1090  | 14          |
| Misc. Counselors, Social, & Religious Workers    | 21-9000  | 14          |
| Misc. Entertainment Attendants & Related Work    | 39-3090  | 23          |
| Misc. Health Practitioners & Technical Workers   | 29-9090  | 18          |
| Misc. Installation, Maintenance & Repair Worker  | 49-9090  | 29          |
| Misc. Life, Physical & Social Science Technician | 19-4090  | 13          |
| Misc. Vehicle and Mobile Equipment Mechanics     | 49-3090  | 29          |
| Miscellaneous Agricultural Workers               | 45-2090  | 27          |
| Miscellaneous Assemblers and Fabricators         | 51-2090  | 30          |
| Miscellaneous Electrical & Electronic Equipment  | 49-2090  | 29          |
| Miscellaneous Healthcare Support Occupations     | 31-9090  | 19          |
| Miscellaneous Legal & Related Workers            | 23-9000  | 15          |
| Miscellaneous Legal Support Workers              | 23-2090  | 15          |
| Miscellaneous Metalworkers & Plastic Workers     | 51-4190  | 30          |
| Miscellaneous Plant and System Operators         | 51-8090  | 30          |
| Miscellaneous Postsecondary Teachers             | 25-1190  | 16          |
| Miscellaneous Production Workers                 | 51-9190  | 30          |
| Miscellaneous Sales and Related Workers          | 41-9090  | 24          |
| Mobile Heavy Equipment Mechanic, Ex. Engines     | 49-3042  | 29          |
| Motor Vehicle Operators                          | 53-3000  | 31          |
| Musicians and Singers                            | 27-2042  | 17          |

| Occupational Title                              | SOC Code | Page Number |
|---|----------|-------------|
| Musicians, Singers, and Related Workers         | 27-2040  | 17          |
| --- N ---                                       |          |             |
| Network and Computer Systems Administrators     | 15-1071  | 11          |
| Nursing Aides, Orderlies, and Attendants        | 31-1012  | 19          |
| Nursing, Psychiatric, and Home Health Aides     | 31-1000  | 19          |
| Nursing, Psychiatric, and Home Health Aides     | 31-1010  | 19          |
| --- O ---                                       |          |             |
| Occupational Health, Safety Spec. & Technicians | 29-9010  | 18          |
| Occupational Therapists                         | 29-1122  | 18          |
| Occupational, Physical Therapist Assist. & Aide | 31-2000  | 19          |
| Office Clerks, General                          | 43-9061  | 26          |
| Operating Engineers & Other Const. Equip. Ops   | 47-2073  | 28          |
| Operations Specialties Managers                 | 11-3000  | 9           |
| Opticians, Dispensing                           | 29-2081  | 18          |
| Order Clerks                                    | 43-4151  | 25          |
| Other Construction and Related Workers          | 47-4000  | 28          |
| Other Education, Training & Library Occupations | 25-9000  | 16          |
| Other Farming, Fishing, and Forestry Workers    | 45-9000  | 27          |
| Other Food Prep. & Serving Related Workers      | 35-9000  | 21          |
| Other Healthcare Pract. & Technical Occs        | 29-9000  | 18          |
| Other Healthcare Support Occupations            | 31-9000  | 19          |
| Other Installation, Maint. & Repair Occupations | 49-9000  | 29          |
| Other Management Occupations                    | 11-9000  | 9           |
| Other Office & Administrative Support Workers   | 43-9000  | 26          |
| Other Personal Care and Service Workers         | 39-9000  | 23          |
| Other Production Occupations                    | 51-9000  | 30          |
| Other Protective Service Workers                | 33-9000  | 20          |
| Other Sales and Related Workers                 | 41-9000  | 24          |
| Other Teachers and Instructors                  | 25-3000  | 16          |
| Other Transportation Workers                    | 53-6000  | 31          |
| --- P ---                                       |          |             |
| Packers and Packagers, Hand                     | 53-7064  | 31          |
| Painters, Transportation Equipment              | 51-9122  | 30          |



| Occupational Title                               | SOC Code | Page Number |
|--|----------|-------------|
| Painting Workers                                 | 51-9120  | 30          |
| Paralegals and Legal Assistants                  | 23-2011  | 15          |
| Parts Salespersons                               | 41-2022  | 24          |
| Payroll and Timekeeping Clerks                   | 43-3051  | 25          |
| Personal Appearance Workers                      | 39-5000  | 23          |
| Pharmacists                                      | 29-1051  | 18          |
| Pharmacy Technicians                             | 29-2052  | 18          |
| Physical Sciences Teachers, Postsecondary        | 25-1050  | 16          |
| Physical Scientists                              | 19-2000  | 13          |
| Physical Therapists                              | 29-1123  | 18          |
| Physician Assistants                             | 29-1071  | 18          |
| Physicians and Surgeons                          | 29-1060  | 18          |
| Pipelayers, Plumbers, Pipefitters & Steamfitters | 47-2150  | 28          |
| Plant and System Operators                       | 51-8000  | 30          |
| Plumbers, Pipefitters, and Steamfitters          | 47-2152  | 28          |
| Police and Sheriff's Patrol Officers             | 33-3051  | 20          |
| Police Officers                                  | 33-3050  | 20          |
| Police, Fire, and Ambulance Dispatchers          | 43-5031  | 25          |
| Postal Service Clerks                            | 43-5051  | 25          |
| Postal Service Mail Carriers                     | 43-5052  | 25          |
| Postal Service Mail Sorter, Processor            | 43-5053  | 25          |
| Postal Service Workers                           | 43-5050  | 25          |
| Postmasters and Mail Superintendents             | 11-9131  | 9           |
| Postsecondary Teachers                           | 25-1000  | 16          |
| Power Distributors and Dispatchers               | 51-8012  | 30          |
| Power Plant Operator, Distributor & Dispatcher   | 51-8010  | 30          |
| Precision Instrument and Equipment Repairers     | 49-9060  | 29          |
| Preschool and Kindergarten Teachers              | 25-2010  | 16          |
| Preschool Teachers, Except Special Education     | 25-2011  | 16          |
| Primary, Secondary & Special Ed. Teachers        | 25-2000  | 16          |
| Printing Workers                                 | 51-5000  | 30          |
| Procurement Clerks                               | 43-3061  | 25          |
| Production, Planning, and Expediting Clerks      | 43-5061  | 25          |
| Property, Real Estate, Community Assn Manager    | 11-9141  | 9           |
| Public Relations Managers                        | 11-2031  | 9           |
| Public Relations Specialists                     | 27-3031  | 17          |
| Pump Operators, Except Wellhead Pumps            | 53-7072  | 31          |
| Pumping Station Operators                        | 53-7070  | 31          |
| Purchasing Agents, Ex. Wholesale, Retail         | 13-1023  | 10          |

| Occupational Title                            | SOC Code | Page Number |
|---|----------|-------------|
| Purchasing Managers                           | 11-3061  | 9           |
| --- R ---                                     |          |             |
| Radio & Telecommunications Equip. Installers  | 49-2020  | 29          |
| Radio Mechanics                               | 49-2021  | 29          |
| Radiologic Technologists and Technicians      | 29-2034  | 18          |
| Rail Car Repairers                            | 49-3043  | 29          |
| Rail Transportation Workers                   | 53-4000  | 31          |
| Rail Transportation Workers, All Other        | 53-4099  | 31          |
| Railroad Brake, Signal, and Switch Operators  | 53-4021  | 31          |
| Railroad Conductors and Yardmasters           | 53-4031  | 31          |
| Real Estate Sales Agents                      | 41-9022  | 24          |
| Receptionists and Information Clerks          | 43-4171  | 25          |
| Recreation and Fitness Workers                | 39-9030  | 23          |
| Recreation Workers                            | 39-9032  | 23          |
| Refuse and Recyclable Material Collectors     | 53-7081  | 31          |
| Registered Nurses                             | 29-1111  | 18          |
| Religious Workers                             | 21-2000  | 14          |
| Residential Advisors                          | 39-9041  | 23          |
| Respiratory Therapists                        | 29-1126  | 18          |
| Respiratory Therapy Technicians               | 29-2054  | 18          |
| Retail Sales Workers                          | 41-2000  | 24          |
| Retail Salespersons                           | 41-2031  | 24          |
| Roof Bolters, Mining                          | 47-5061  | 28          |
| --- S ---                                     |          |             |
| Sales and Related Workers, All Other          | 41-9099  | 24          |
| Sales Managers                                | 11-2022  | 9           |
| Sales Representatives, Services               | 41-3000  | 24          |
| Sales Reps, Wholesale & Manuf., Ex. Technical | 41-4012  | 24          |
| Sales Reps, Wholesale and Manufacturing       | 41-4000  | 24          |
| Sales Reps, Wholesale and Manufacturing       | 41-4010  | 24          |
| Sec. School Teachers, Ex. Special & Voc. Ed.  | 25-2031  | 16          |
| Secondary School Teachers                     | 25-2030  | 16          |
| Secretaries and Administrative Assistants     | 43-6000  | 26          |

| Occupational Title                                | SOC Code | Page Number |
|---|----------|-------------|
| Secretaries and Administrative Assistants         | 43-6010  | 26          |
| Secretaries, Except Legal, Medical & Executive    | 43-6014  | 26          |
| Secretary, Admin. Assist. & Other Office Support  | 43-9999  | 26          |
| Security Guards                                   | 33-9032  | 20          |
| Security Guards & Gaming Surveillance Officers    | 33-9030  | 20          |
| Shipping, Receiving, and Traffic Clerks           | 43-5071  | 25          |
| Shoe and Leather Workers and Repairers            | 51-6041  | 30          |
| Shuttle Car Operators                             | 53-7111  | 31          |
| Signal and Track Switch Repairers                 | 49-9097  | 29          |
| Small Engine Mechanics                            | 49-3050  | 29          |
| Social and Community Service Managers             | 11-9151  | 9           |
| Social and Human Service Assistants               | 21-1093  | 14          |
| Social Sciences Teachers, Postsecondary           | 25-1060  | 16          |
| Social Scientists and Related Workers             | 19-3000  | 13          |
| Social Workers                                    | 21-1020  | 14          |
| Special Education Teachers                        | 25-2040  | 16          |
| Special Education Teachers, Middle School         | 25-2042  | 16          |
| Speech-Language Pathologists                      | 29-1127  | 18          |
| Stock Clerks and Order Fillers                    | 43-5081  | 25          |
| Structural Iron and Steel Workers                 | 47-2221  | 28          |
| Subway and Streetcar Operators                    | 53-4041  | 31          |
| Supervisors of Construction Trades & Extraction   | 47-1011  | 28          |
| Supervisors of Farming, Fishing & Forestry        | 45-1010  | 27          |
| Supervisors of Food Preparation and Serving       | 35-1012  | 21          |
| Supervisors of Helpers, Laborers & Materials      | 53-1021  | 31          |
| Supervisors of Housekeeping and Janitors          | 37-1011  | 22          |
| Supervisors of Installation, Maint. & Repair Work | 49-1000  | 29          |
| Supervisors of Landscaping, Lawn Service          | 37-1012  | 22          |
| Supervisors of Mechanics, Installers              | 49-1011  | 29          |
| Supervisors of Non-Retail Sales Workers           | 41-1012  | 24          |
| Supervisors of Office and Administrative          | 43-1011  | 25          |
| Supervisors of Production and Operating           | 51-1011  | 30          |
| Supervisors of Retail Sales Workers               | 41-1011  | 24          |
| Supervisors of Transportation & Material Moving   | 53-1031  | 31          |
| Supervisors, Build., Grounds Clean. & Maint.      | 37-1000  | 22          |
| Supervisors, Building and Grounds Cleaning        | 37-1010  | 22          |
| Supervisors, Construction & Extraction Worker     | 47-1000  | 28          |
| Supervisors, Farming, Fishing & Forestry Work     | 45-1000  | 27          |
| Supervisors, Food Prep. & Serving Workers         | 35-1000  | 21          |

| Occupational Title                            | SOC Code | Page Number |
|---|----------|-------------|
| Supervisors, Food Preparation and Serving     | 35-1010  | 21          |
| Supervisors, Law Enforcement Workers          | 33-1010  | 20          |
| Supervisors, Office & Admin. Support Workers  | 43-1000  | 25          |
| Supervisors, Personal Care & Service Workers  | 39-1000  | 23          |
| Supervisors, Production Workers               | 51-1000  | 30          |
| Supervisors, Protective Service Workers       | 33-1000  | 20          |
| Supervisors, Protective Service Workers,      | 33-1099  | 20          |
| Supervisors, Sales Workers                    | 41-1000  | 24          |
| Supervisors, Sales Workers                    | 41-1010  | 24          |
| Supervisors, Transp. & Material Moving Worker | 53-1000  | 31          |
| Surgical Technologists                        | 29-2055  | 18          |
| Surveying and Mapping Technicians             | 17-3031  | 12          |
| Surveyors                                     | 17-1022  | 12          |
| Surveyors, Cartographers & Photogrammetrists  | 17-1020  | 12          |
| Switchboard Operators, Inc. Answering Service | 43-2011  | 25          |

--- T ---

|   |         |    |
|---|---------|----|
| Tax Examiners, Collectors, Preparers & Revenue  | 13-2080 | 10 |
| Taxi Drivers and Chauffeurs                     | 53-3041 | 31 |
| Telecommunications Equip. Installer & Repairer  | 49-2022 | 29 |
| Telecommunications Line Installers & Repairers  | 49-9052 | 29 |
| Tellers   | 43-3071 | 25 |
| Textile, Apparel, and Furnishings Workers       | 51-6000 | 30 |
| Therapists                                      | 29-1120 | 18 |
| Top Executives                                  | 11-1000 | 9  |
| Training and Development Specialists            | 13-1073 | 10 |
| Transit and Railroad Police                     | 33-3052 | 20 |
| Transportation, Storage & Distribution Managers | 11-3071 | 9  |
| Transportation, Tourism & Lodging Attendants    | 39-6000 | 23 |
| Truck Drivers, Heavy and Tractor-Trailer        | 53-3032 | 31 |
| Truck Drivers, Light or Delivery Services       | 53-3033 | 31 |

--- V ---

|  |         |    |
|--|---------|----|
| Vehicle & Mobile Equip. Mechanics, Installers  | 49-3000 | 29 |
| Vehicle & Mobile Equipment Mechanic, Installer | 49-3099 | 29 |
| Vocational Education Teachers, Postsecondary   | 25-1194 | 16 |

| Occupational Title | SOC Code | Page Number |
|--------------------|----------|-------------|
|--------------------|----------|-------------|

|           |
|-----------|
| --- W --- |
|-----------|

|  |         |    |
|--|---------|----|
| Waiters and Waitresses                       | 35-3031 | 21 |
| Welders, Cutters, Solderers, and Brazers     | 51-4121 | 30 |
| Welding, Soldering, and Brazing Workers      | 51-4120 | 30 |
| Wellhead Pumpers                             | 53-7073 | 31 |
| Wholesale & Retail Buyers, Ex. Farm Products | 13-1022 | 10 |
| Woodworkers                                  | 51-7000 | 30 |
| Woodworking Machine Setter, Operator         | 51-7040 | 30 |